Orion Environmental Inc.
2955 Redondo Avenue
Long Beach, CA 90806
562 988-2755 PHONE
562 988-2759 FAX

DBA Arctos Environmental
2332 5th Street, Suite B
Berkeley, CA 94710
510 525-2180 PHONE
510 525-2392 FAX

Phase II Environmental Site Assessment

3100 Irvine Avenue
APN 119-200-41
Newport Beach, California

prepared for:

Panattoni Development Company, Inc.
7887 East Belleview Avenue, Suite 475
Denver, Colorado

August 2024

Orion Environmental Inc.
2955 Redondo Avenue
Long Beach, CA 90806
562 988-2755 PHONE
562 988-2759 FAX

DBA Arctos Environmental
2332 5th Street, Suite B
Berkeley, CA 94710
510 525-2180 PHONE
510 525-2392 FAX

14 August 2024
Project No. 72NBI

Panattoni Development Company, Inc.
7887 E. Belleview Avenue, Suite 475
Denver, Colorado 80111
Attn: Kristen Dickey

Subject: **Phase II Environmental Site Assessment**
3100 Irvine Avenue; APN 119-200-41
Newport Beach, California

Dear Ms. Dickey:

Orion Environmental Inc., at the request of Panattoni Development Company, Inc. (Panattoni), has prepared this report documenting a Phase II Environmental Site Assessment for the approximately 15.4-acre property identified by Orange County Assessor's Parcel Number 119-200-41 and located at 3100 Irvine Avenue in Newport Beach, California.

We appreciate the opportunity to provide environmental services to Panattoni. If you have questions or comments regarding this report, please contact Mike Purchase at 562/988-2755 or mpurchase@orionenv.com.

Very truly yours,

ORION ENVIRONMENTAL INC.

Adair Johnson
Project Scientist

Michael Purchase, P.E.
Vice President

EXECUTIVE SUMMARY

Orion Environmental Inc. (Orion), at the request of Panattoni Development Company, Inc. (Panattoni), performed a Phase II Environmental Site Assessment (ESA) for the property located at 3100 Irvine Avenue in Newport Beach, California (Subject Property). The Subject Property consists of an approximately 15.4-acre parcel identified by Assessor's Parcel Number (APN) 119-200-41 and is located in developed area of Newport Beach generally characterized by retail/commercial and residential properties. Currently the Subject Property is operated as a golf course that includes a driving range, three golf holes, a practice putting green, and a clubhouse with a restaurant.

Unless otherwise noted, Orion conducted this Phase II ESA in general accordance with the scope and limitations of ASTM International (ASTM) *Standard Practice for ESAs* (ASTM E1903-19) (ASTM International, 2020). The purpose of the Phase II ESA was to (1) analyze shallow soil across the driving range and golf course for the potential presence of herbicides, pesticides, and metals and (2) assess potential impacts to shallow soil and groundwater at the Subject Property that may have resulted from the potential migration of per- and polyfluoroalkyl substances (PFAS) from a southeast-adjoining fire training center, which were identified as a recognized environmental condition (REC) and an environmental concern (EC) in Orion's 2024 Phase I ESA, respectively. The scope of work included collecting soil samples at 32 locations including six locations on a driving range, nine locations on and around three golf holes, 12 locations on greens and tee boxes, two locations on a putting green, and three locations adjacent to a fire training center. Additionally, the collection of groundwater was attempted at one location.

Soil sampling results indicated that there are no levels of herbicides, organochloride pesticides, and PFAS detected above laboratory reporting limits. Arsenic was the only metal above health risk screening levels for commercial/industrial land use, but did not exceed the background concentrations for trace and major elements in California soils. A grab groundwater sample was attempted at one boring located adjacent to the southeast-adjoining fire training center. However, refusal was encountered during drilling at approximately 75 feet below ground surface and groundwater was not encountered. Based on the lack of PFAS in shallow soil samples and the depth to groundwater at greater than 75 feet below the ground surface, the groundwater below the Subject Property is not likely impacted by PFAS from the fire training center.

Based on the results of the Phase II ESA, there are no herbicides, organochloride pesticides, metals, or PFAS in the shallow soil that exceeds health risk screening levels. Orion recommends that no additional site assessment is warranted at the Subject Property at this time.

The Executive Summary section of this report is only intended to represent a brief summary of findings and is not a detailed account of all the information documented in this report. The report should be reviewed in its entirety before drawing any final conclusions as to environmental conditions associated with the Subject Property.

TABLE OF CONTENTS

EXECUTIVE SUMMARY I

1.0 INTRODUCTION 1-1
1.1 Site Background 1-1
1.2 Objectives and Scope of Work 1-2

2.0 SCREENING CRITERIA 2-1
2.1 Soil Criteria ..... **Error! Bookmark not defined.**

3.0 PHASE II ESA PROCEDURES 3-1
3.1 Soil Sampling Procedures 3-1
3.2 Groundwater Sampling Procedures 3-2
3.3 Analytical Program 3-2
3.4 Waste Characterization and Disposal 3-3

4.0 PHASE II ESA RESULTS 4-1
4.1 Soil Sample Analytical Results 4-1

5.0 SUMMARY AND CONCLUSIONS 5-1

6.0 REFERENCES 6-1

7.0 RELIANCE AND LIMITATIONS 7-1

8.0 ENVIRONMENTAL PROFESSIONAL STATEMENT 8-1

List of Tables

1 Soil Analytical Results – Metals
2 Soil Analytical Results – Herbicides
3 Soil Analytical Results – Organochlorine Pesticides
4 Soil Vapor Analytical Results – PFAS

List of Figures

1 Subject Property Location Map
2 Surrounding Land Use
3 Subject Property Vicinity Map
4 Phase II Sampling Locations

List of Appendices

A Permits

B Field Quality Assurance/Quality Control Procedures
C Laboratory Analytical Reports and Chain-of-Custody Forms
D Waste Manifest
E Boring Logs

1.0 INTRODUCTION

Orion was retained by Panattoni to perform a Phase II ESA at the Subject Property located at 3100 Irvine Avenue in Newport Beach, California (Figure 1). The Subject Property consists of one parcel with an area of approximately 15.4 acres identified by Orange County APN 119-200-41 (Figure 2). The scope of work was conducted in general accordance with Orion's proposal dated 29 April 2024 and approved by Panattoni on 8 May 2024. The following sections summarize the site background and Phase II ESA objectives and scope of work.

1.1 Site Background

Orion performed a Phase I ESA and Tier I Vapor Encroachment Screening of the Subject Property in April 2024 (Orion, 2024). Based on Orion's review of aerial photography, the Subject Property has been a golf course since the 1980's. During site reconnaissance, ten 5-gallon containers of fungicide were observed in a maintenance area adjacent to the Subject Property and assumed to be applied as part of current golf course maintenance operations. During site reconnaissance, Orion observed a fire station and training center to the southeast of the Subject Property (Figure 3). Personnel at the Subject Property stated that fire suppression training had previously been observed at the training center.

After completing the Phase I ESA, Orion identified a total of one REC and one area of environmental concern (EC) (Orion, 2024):

- **REC No. 1 – Historical Pesticide and Herbicide Application**
  Fungicides are considered a type of pesticide used to prevent the growth of fungi and their spores. Golf courses are known to require heavy application of pesticides and herbicides and routine course maintenance may have resulted in a potential release of hazardous materials to shallow soils.

- **EC No. 1 – Potential Use of PFAS at Adjacent Property**
  Personnel at the Subject Property stated that fire suppression training had previously been observed at the training center. Fire training activities are often associated with the application of PFAS-containing fire suppressants. The adjacent training center is located uphill and upgradient of the Subject Property. The use, and any potential releases, of PFAS-containing materials at the upgradient fire training center has the potential to impact the Subject Property.

Based on the results of the Phase I ESA, Orion recommended a Phase II ESA be conducted at the Subject Property to evaluate (1) the potential presence of herbicides, pesticides, and metals in shallow soil and (2) the potential presence of PFAS in shallow soil and groundwater on site originating from the upgradient fire training center.

1.2 Objectives and Scope of Work

Unless otherwise noted, Orion conducted this Phase II ESA in general accordance with the scope and limitations of ASTM Standard E1903-19. The objectives of the Phase II ESA were to (1) analyze shallow soil across the driving range and golf course for the potential presence of herbicides, pesticides, and metals and (2) assess potential impacts to shallow soil and groundwater at the Subject Property that may have resulted from the potential migration of PFAS from the fire training center. To meet these objectives, Orion performed the following scope of work:

- Mobilized for field activities including updating the site-specific Health and Safety Plan (HSP), coordinating access with the property owner, and obtaining a soil boring installation permit from Orange County Health Care Agency Environmental Health Division (OCHCA).
- Marked boring locations and the property for Underground Service Alert (USA) and notified USA to mark underground utilities
- Collected shallow soil samples at 32 locations and submitted samples for analysis to a California-certified laboratory
- Advanced a soil boring at one location using a direct-push drill rig, collected soil samples, and submitted samples for analysis to California-certified laboratory
- Backfilled borings with Portland cement grout and completed surfaces to match existing conditions in accordance with OCHCA procedures
- Profiled and disposed of investigation-derived waste (IDW) in accordance with State and federal guidelines
- Evaluated the field and analytical results and prepared this summary report.

2.0 SCREENING CRITERIA

Orion evaluated the data collected as part of this Phase II ESA against several criteria developed by State and federal agencies to assess whether detectable concentrations pose a potential risk to human health or the environment. Orion used the soil criteria listed below for the purposes of this Phase II ESA.

- Modified Screening Levels (SLs) for commercial/industrial land use published by the California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (DTSC, 2020)
- Regional Screening Levels (RSLs) for (1) commercial/industrial land use and (2) soil leaching to groundwater published by the U.S. Environmental Protection Agency (EPA; EPA, 2021)
- Typical background concentrations of heavy metals in California soils.

The DTSC SLs and EPA RSLs provide human health risk criteria for commercial/industrial land use based on dermal contact, ingestion, and inhalation. As a conservative measure, data were compared to the more stringent value of the human health risk screening levels. EPA RSLs for soil leaching to groundwater provide environmental risk criteria based on the potential for impacted soil to contaminate groundwater above risk-based RSLs.

Typical background concentrations of naturally occurring metals in California soils were compiled and published in studies by the University of California Kearney Foundation of Soil Science and U.S. Geological Survey (Bradford et al., 1996; Shacklette and Boerngen, 1984).

3.0 PHASE II ESA PROCEDURES

Orion conducted a Phase II ESA at the Subject Property to (1) analyze shallow soil across the driving range and golf course for the potential presence of herbicides, pesticides, and metals and (2) assess potential impacts to shallow soil and groundwater at the Subject Property that may have resulted from the potential migration of PFAS from the fire training center. Sampling locations are shown on Figure 4.

Before beginning the field activities, Orion marked boring locations at the property and notified USA to mark underground utilities. In addition, Orion obtained a soil boring installation permit from OCHCA and a copy of the permit is in Appendix A. Field activities were performed in accordance with the site-specific HSP. The following sections summarize the soil and groundwater field sampling procedures executed as part of this Phase II ESA.

3.1 Soil Sampling Procedures

On 28 May 2024, Orion collected soil samples from 32 locations (SB-1 through SB-14, SB-17 through SB-19, and CB-1 through CB-15) at the Subject Property as shown on Figure 4. Soil samples were collected using hand auger cuttings from approximately 0 to 1 foot bgs and 2 to 3 ft bgs at each location. Sampling locations were backfilled to the ground surface with native soil.

Discrete soil samples were collected and submitted at each location for the three tee boxes, three greens, and one putting green at the golf holes (SB-1 through SB-14). Composite soil samples were collected from each of the areas of interest at the Subject Property including the fairways of the golf holes (CB-1 through CB-9) and the driving range (CB-10 through CB-15). Samples from each of the fairway locations were composited for each discrete depth into two samples per fairway for a total of six samples. Sample locations from the driving range were composited for each discrete depth into two samples for a total of 12 samples. Samples collected for vertical delineation from 2 to 3 ft bgs were placed on hold with the laboratory.

Shallow soil samples were collected at three locations in the vicinity of the adjacent fire training center (SB-17 through SB-19). Soil samples were collected using hand auger

cuttings from approximately 0 to 1 foot and 2 to 3 ft bgs at each location for a total of six samples.

Orion collected samples using unpreserved 8-ounce glass jars as well as Terra Core™ kits containing preserved bottles provided by the analytical laboratory. Soil sampling locations were backfilled to the ground surface with native soil.

3.2 Groundwater Sampling Procedures

On 28 May 2024, Coreprobe International (Coreprobe) of San Gabriel, California, advanced one boring to collect groundwater near the southeast-adjoining fire training center (Figure 4). The boring was hand augered to 5 ft bgs to clear for subsurface utilities. Coreprobe advanced the soil boring using a direct-push type rig to a total depth of 75 ft bgs. Refusal was met at a depth of 75 ft bgs and the boring was terminated. Soil cores were collected at five foot intervals in acetate for visual logging. A temporary well was left for 24 hours at a depth of 75 ft bgs to collect groundwater, however, the temporary well was dry and no groundwater sample was collected.

The temporary well was removed and the soil boring was decommissioned on 29 May 2024. In accordance with OCHCA procedures, Coreprobe backfilled the boring with Portland cement and bentonite grout and completed with soil at the surface to match existing conditions.

Sampling locations are shown on Figure 4. Field activities were completed in general accordance with the field quality assurance/quality control (QA/QC) procedures in Appendix B.

3.3 Analytical Program

A total of 42 soil samples were collected during the Phase II ESA and submitted to Positive Lab Service (Positive), a California-certified laboratory located in Los Angeles. Positive analyzed a total of 18 the soil samples for organochlorine pesticides (OCPs) by EPA Method 8081, chlorinated herbicides by EPA Method 8151, and California Code of Regulations Title 22 (Title 22) metals by EPA Methods 6010B and 7471A, and three of the samples for select PFAS by EPA Method 533/537M.

Laboratory analytical QA/QC procedures are described in Appendix B. Laboratory analytical reports and chain-of-custody forms are in Appendix C.

3.4 Waste Characterization and Disposal

Solid wastes such as used personal protective equipment, paper towels, trash bags, and any other solid debris were collected for offsite disposal as municipal trash. IDW generated during the Phase II ESA consisted of soil cuttings generated during drilling. IDW was containerized in a labeled 55-gallon drum at the Subject Property and a composite soil sample was collected for IDW characterization. The composite waste sample was submitted to Positive and analyzed for VOCs, TPH, Title 22 metals, and OCPs. Laboratory analytical reports and chain-of-custody forms for IDW samples are in Appendix C.

Belshire Environmental Services, Inc., a licensed waste transporter based in Foothill Ranch, California, transported the waste to a licensed facility for disposal. A waste manifest is attached in Appendix D.

4.0 PHASE II ESA RESULTS

Results of soil samples collected during the Phase II ESA are summarized in the following sections. Soil analytical results for metals are in Table 1. Soil analytical results for herbicides and organochlorine pesticides are in Tables 2 and 3, respectively. Soil analytical results for PFAS are in Table 4. Laboratory analytical reports and chain-of-custody forms are in Appendix C.

4.1 Soil Sample Analytical Results

Lithology encountered during Phase II ESA sampling activities generally consisted of clay with sand, silt with sand, and poorly graded sand to the maximum depth explored of 75 ft bgs. Soil cores were screened using a photoionization detector (PID) at approximately 5-foot intervals. PID readings were less than 6 part per million by volume for all soil screening readings and Orion personnel did not observe staining or odors. Field observations and screening results are summarized in the boring log in Appendix E.

Various metals were detected in soil samples at the Subject Property at levels that were generally below applicable screening levels or levels consistent with naturally-occurring background conditions. Arsenic was the only metal detected above the health screening levels, but did not exceed background concentrations for trace and major elements in California soils (Table 1). All other soil metals concentrations were below regulatory human health risk screening levels for commercial/industrial land use.

Chlorinated herbicides and organochlorine pesticides were not detected in soil above laboratory reporting limits or DTSC SLs in any of the surficial soil samples in any samples collected at the Subject Property (Table 2 and 3).

Samples taken at the southeast corner of the site from borings SB-17, SB-18, and SB-19 were analyzed for PFAS with consideration to the recent fire suppression training conducted at the fire station adjacent to the property. All samples taken from borings SB-17, SB-18, and SB-19 at a depth of 1 foot did not have any detections above the laboratory reporting limit or health risk screening levels. For this reason, the deeper samples collected at each location were not analyzed. PFAS results are in Table 4.

5.0 SUMMARY AND CONCLUSIONS

Orion performed a Phase II ESA for the property located at 3100 Irvine Ave in Newport Beach, California, that consisted of APN 119-200-41. The purpose of the Phase II ESA was to (1) analyze shallow soil across the driving range and golf course for the potential presence of herbicides, pesticides, and metals and (2) assess potential impacts to shallow soil and groundwater at the Subject Property that may have resulted from the potential migration of PFAS from the fire training center. The scope of work was conducted in response to one REC and EC identified in a previous Phase I from April 2024. The Phase II ESA included the collection of soil samples at 32 locations including six locations on a driving range, nine locations on and around three golf holes, 12 locations on greens and tee boxes, two locations on a putting green, and three locations adjacent to a fire training center. Additionally, the collection of groundwater was attempted at one location. The results of the Phase II ESA support the following observations and/or conclusions:

1. Soil concentrations of arsenic exceeded EPA RSLs but did not exceed background concentrations for trace and major elements in California soils at multiple sampling locations. All other heavy metals analyzed did not exceed RSLs. Therefore, concentrations of heavy metals in the soil do not appear to pose a threat to human health or the environment.

2. Soil herbicides, organochlorine pesticides, and PFAs results did not exceed laboratory detection limits or RSLs. These results indicate there is no likely release of these compounds at the property and a threat to human health or the environment is not present from these compounds.

Based on the results of the Phase II ESA, no additional site assessment is warranted at the Subject Property at this time.

6.0 REFERENCES

ASTM International, 2020. "Designation: E1903-19, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process," January.

Bradford, G.R., Change, A.C., Page, A.L., Bakhtar, D., Frampton, J.A., & Wright, H., 1996. "Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California," March.

DTSC, 2020. "Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs)," June.

Orion Environmental Inc., 2024. "Phase I Environmental Site Assessment, 3100 Irvine Avenue, Newport Beach, California," prepared for Panattoni Development Company, Inc., 24 April.

Shacklette, H.T., and Boerngen, J.G., 1984. "Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States, U.S. Geological Survey Professional Paper 1270."

U.S. Environmental Protection Agency, 2021. "Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) May 2021," May.

7.0 RELIANCE AND LIMITATIONS

Orion Environmental Inc. (Orion) has prepared this report for the exclusive use of Panattoni Development Company, Inc. and Back Bay Barrels, LLC, as it pertains to the Subject Property 3100 Irvine Avenue, Newport Beach, California. Any use of or reliance on this report by a third party shall be at such party's sole risk.

The scope of this ESA was limited to soil sampling at the Subject Property where evidence of herbicides, fungicides and potential contaminant migration associated with an offsite property adjacent to the Subject Property were observed as part of a Phase I ESA conducted by Orion in 2024. Sampling and analysis were only conducted for the locations and analytes described in previous sections of the Phase II ESA report. Investigations of the following conditions were not part of the scope of work and would not have been revealed by the Phase II ESA:

- Naturally occurring toxics
- Toxicity of substances common in current habitable environments, such as stored household products, building materials, and consumables
- Biological pathogens
- A contaminant plume below the ground surface originating from an offsite source
- Contaminants or contaminant concentrations that do not violate present regulatory standards but that may violate future such standards
- Unknown Subject Property contamination, such as "midnight dumping" or accidental spillage of waste other than the debris observed and noted in this report.

No warranty or guarantee concerning the findings and conclusions of this ESA is offered or intended. Rather, it is represented that the scope and performance of the professional services rendered are in accordance with the current state of practice being conducted in the Subject Property region by similarly qualified practitioners.

8.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

Orion declares that, to the best of our professional knowledge and belief, we meet the definition of "environmental professional" as defined in Part 312.10 of Title 40 of the Code of Federal Regulations (40 CFR). Orion personnel have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Adair Johnson
Adair Johnson,
Project Scientist

8/14/24
Date

Michael Purchase, P.E.
Vice President

8/14/24
Date

TABLE 1

SOIL ANALYTICAL RESULTS - METALS
3100 IRVINE AVE
NEWPORT BEACH, CALIFORNIA

Sample Location	Sample Date	Metals (mg/kg)[a]																
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Health Risk Screening Levels (C/I Soil) [b]		***470***	***0.36***	***220,000***	***230***	***780***	***NE*** [c]	***350***	***47,000***	***320***	***4.4***	***5,800***	***11,000***	***5,800***	***5,800***	***12***	***5,800***	***350,000***
EPA RSL (Soil to Groundwater) [d]		***0.27***	***0.0015***	***82***	***3.2***	***0.38***	***180,000***	***0.27***	***28***	***14***	***0.033***	***2.0***	***26***	***0.26***	***0.80***	***0.014***	***86***	***373***
Background [e]		***0.60***	***12***	***509***	***1.3***	***0.36***	***122***	***15***	***29***	***24***	***0.26***	***1.3***	***57***	***0.058***	***0.80***	***0.56***	***112***	***149***
CB-1-3-1	5/28/24	ND<0.1 [f]	**6.9**	104	0.48	0.29	13	4.9	12	9.1	ND<0.1	6.6	9.5	0.89	ND<0.1	0.14	38	32
CB-4-6-1	5/28/24	ND<0.1	**2.9**	70	0.44	0.14	12	5.2	10	6.7	ND<0.1	1.3	8.5	0.67	ND<0.1	0.14	27	30
CB-7-9-1	5/28/24	ND<0.1	**1.6**	47	0.28	0.13	9.0	3.4	6.9	5.7	ND<0.1	0.72	5.3	0.62	ND<0.1	ND<0.1	18	21
CB-10-15-1	5/28/24	ND<0.1	**3.3**	72	0.52	0.25	14	6.5	12	5.9	ND<0.1	**3.3**	11	1.6	ND<0.1	0.21	32	37
SB-1-1	5/28/24	0.17	**2.9**	55	0.14	0.22	8.5	3.3	15	4.2	ND<0.1	**0.58**	5.9	0.60	0.20	ND<0.1	13	41
SB-2-1	5/28/24	0.13	**2.2**	25	0.17	0.22	6.9	2.7	8.4	3.9	0.15	**0.56**	6.0	0.50	ND<0.1	ND<0.1	16	29
SB-3-1	5/28/24	ND<1	**4.7**	89	ND<1	ND<1	18	6.2	19	13	ND<0.1	1.6	13	ND<2	ND<1	ND<1	36	61
SB-4-1	5/28/24	ND<1	**2.3**	87	ND<1	ND<1	12	5.1	10	6.4	ND<0.1	ND<1	8.7	ND<2	ND<1	ND<1	25	31
SB-5-1	5/28/24	ND<0.1	**1.7**	32	0.15	0.14	7.2	2.7	8.3	2.7	ND<0.1	0.49	7.0	0.48	ND<0.1	ND<0.1	17	29
SB-6-1	5/28/24	ND<0.1	**2.2**	29	0.18	0.19	8.1	2.5	9.3	3.5	ND<0.1	0.53	6.5	0.53	ND<0.1	ND<0.1	17	32
SB-7-1	5/28/24	0.10	**7.5**	111	0.70	0.30	21	8.9	15	14	ND<0.1	1.5	14	1.4	0.10	0.23	43	53
SB-8-1	5/28/24	ND<0.1	**3.2**	93	0.47	0.18	15	6.5	13	9.5	ND<0.1	1.1	11	0.58	ND<0.1	0.18	31	47
SB-9-1	5/28/24	0.14	**3.9**	52	0.35	0.36	15	4.2	23	7	ND<0.1	0.84	12	1.3	0.11	ND<0.1	31	64
SB-10-1	5/28/24	ND<0.1	**1.9**	32	0.18	0.18	10	2.6	12	4.0	ND<0.1	0.46	7.0	0.54	ND<0.1	ND<0.1	18	37
SB-11-1	5/28/24	ND<0.1	**9.1**	125	0.47	0.41	14	4.9	17	12	ND<0.1	10	10	1.1	ND<0.1	0.12	37	46
SB-12-1	5/28/24	ND<0.1	**6.9**	90	0.44	0.25	12	4.5	12	15	ND<0.1	5.2	8.8	0.92	ND<0.1	0.12	33	33
SB-13-1	5/28/24	0.10	**1.3**	27	0.10	0.22	7.7	1.8	7.2	3.5	0.11	1.1	3.9	0.87	ND<0.1	ND<0.1	9.9	32
SB-14-1	5/28/24	ND<0.1	**1.2**	19	0.13	0.13	5.9	1.9	6.9	2.2	ND<0.1	0.82	4.8	0.64	ND<0.1	ND<0.1	14	27

(a) Metals analyzed using Environmental Protection Agency (EPA) Method 6010B and reported in milligrams per kilogram (mg/kg). Mercury analyzed using EPA Method 7471A and reported in mg/kg.
Bold values indicate a detection greater than or equal to both the typical background concentration and the EPA Regional Screening Level (RSL) for leaching to groundwater. Highlighted and bolded values indicate a detection greater than or equal to both the typical background concentration and the EPA RSL or California Department of Toxic Substances Control (DTSC) Modified Screening Level (SL) for human health risks for commercial/industrial land use (C/I Soil).

(b) EPA or DTSC SL for C/I Soil. Lowest RSL or SL displayed based on cancer or non-cancer hazards and exposure pathways (ingestion, dermal contact, or inhalation).

(c) Not established (NE).

(d) EPA RSL for soil leaching to groundwater. Lowest RSL displayed for risk-based or Maximum Contaminant Level-based protection of groundwater.

(e) Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, March 1996. Arsenic background level from: Determination of a Southern California Regional Background Arsenic Concentration in Soil, California Department of Toxic Substances Control, January 2008.

(f) Not detected above laboratory reporting limit listed (ND).

TABLE 2

SOIL ANALYTICAL RESULTS - HERBICIDES
3100 IRVINE AVE
NEWPORT BEACH, CALIFORNIA

Boring ID	Sample Date	Sample Depth[a] (feet bgs)	Chlorinated Herbicides[b] (mg/kg)									
			2,4,5-T	2,4,5-TP (Silvex or Fenoprop)	2,4-D	2,4-DB	Dalapon	Dicamba	Dichlorprop	Dinoseb (DNBP)	MCPA	MCPP (Mecoprop)
EPA RSL (C/I Soil) [c]			***8,200***	***6,600***	***9,600***	***25,000***	***25,000***	***25,000***	***NE*** [d]	***820***	***410***	***820***
EPA RSL (Soil to Groundwater) [e]			***0.068***	***0.028***	***0.018***	***0.42***	***0.041***	***0.15***	***NE***	***0.062***	***0.0020***	***0.0047***
DTSC SL (C/I Soil) [f]			***5,300***	***4,200***	***7,300***	***16,000***	***16,000***	***16,000***	***NE***	***530***	***260***	***530***
CB-1-3-1	5/28/24	1	ND<0.02[g]	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
CB-4-6-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
CB-7-9-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
CB-10-15-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-1-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-2-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-3-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-4-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-5-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-6-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-7-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-8-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-9-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-10-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-11-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-12-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-13-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20
SB-14-1	5/28/24	1	ND<0.02	ND<0.02	ND<0.2	ND<0.2	ND<0.5	ND<0.02	ND<0.2	ND<0.1	ND<20	ND<20

(a) Sample depth in feet below ground surface (feet bgs).
(b) Chlorinated herbicides analyzed by U.S. Environmental Protection Agency (EPA) Method 8151A; reported in milligrams per kilogram (mg/kg) including:
2,4,5-T = 2,4,5-trichlorophenoxyacetic acid 2,4,5-TP = 2-(2,4,5-trichlorophenoxy)propionic acid 2,4-D = 2,4-dichlorophenoxyacetic acid
2,4-DB = 4-(2,4-dichlorophenoxy)butyric acid MCPA = 2-methyl-4-chlorophenoxyacetic acid
Bold values indicate a detection greater than the EPA RSL for soil leaching to groundwater. Highlighted values indicate a detection greater than the EPA RSL or DTSC SL for commercial/industrial land use.
(c) EPA Regional Screening Level (RSL) for commercial/industrial land use. Lowest RSL displayed based on cancer or non-cancer hazards and exposure pathways (ingestion, dermal contact, or inhalation).
(d) Not established (NE).
(e) EPA RSL for soil leaching to groundwater. Lowest RSL displayed for risk-based or Maximum Contaminant Level-based protection of groundwater.
(f) California Department of Toxic Substances Control (DTSC)-Modified Screening Levels (SL) for commercial/industrial land use. Lowest SL displayed based on cancer or non-cancer hazards.
(g) Not detected (ND) at the reporting limit listed.

TABLE 3

SOIL ANALYTICAL RESULTS - ORGANOCHLORINE PESTICIDES
3100 IRVINE AVE
NEWPORT BEACH, CALIFORNIA

Boring ID	Sample Date	Sample Depth[a] (feet bgs)	Organochlorine Pesticides[b] (mg/kg)																				
			Aldrin	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	alpha-Chlordane	gamma-Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Technical Chlordane	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxy-chlor	Toxaphene
EPA RSL (C/I Soil)[c]			***0.18***	***0.36***	***1.3***	***NE[d]***	***2.5***	***500***	***500***	***9.6***	***9.3***	***8.5***	***0.14***	***7,000[e]***		***4,900***	***250***	***7.7***	***NE***	***NE***	***0.63***	***0.33***	***4,100***	***2.1***
EPA RSL (Soil to Groundwater)[f]			***0.00015***	***0.000042***	***0.00015***	***NE***	***0.00024***	***0.49***	***1.4***	***0.0075***	***0.011***	***0.077***	***0.000071***	***1.4[e]***		***2.1***	***0.081***	***0.0027***	***NE***	***NE***	***0.00012***	***0.000028***	***2.0***	***0.011***
DTSC SL (C/I Soil)[g]			***0.18***	***0.24***	***0.82***	***NE***	***2.0***	***NE***	***NE***	***6.2***	***9.3***	***7.1***	***0.093***	***6,000[e]***		***3,200***	***160***	***6.1***	***NE***	***NE***	***0.63***	***0.33***	***2,600***	***1.2***
CB-1-3-1	5/28/24	1	ND<0.004[h]	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
CB-4-6-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
CB-7-9-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
CB-10-15-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-1-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-2-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-3-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-4-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-5-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-6-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-7-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-8-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-9-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-10-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-11-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-12-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-13-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06
SB-14-1	5/28/24	1	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.004	ND<0.008	ND<0.008	ND<0.004	ND<0.008	ND<0.004	ND<0.004	ND<0.004	ND<0.02	ND<0.004	ND<0.01	ND<0.004	ND<0.004	ND<0.01	ND<0.06

(a) Sample depth in feet below ground surface (feet bgs).

(b) Organochlorine pesticides analyzed by U.S. Environmental Protection Agency (EPA) Method 8081A; reported in milligrams per kilogram (mg/kg) including:

alpha-HCH = alpha-hexachlorocyclohexane; beta-HCH = beta-hexachlorocyclohexane; delta-HCH = delta-hexachlorocyclohexane; gamma-HCH = gamma-hexachlorocyclohexane

4,4'-DDD = dichlorodiphenyldichloroethane; 4,4'-DDE = dichlorodiphenyldichloroethylene; 4,4'-DDT = dichlorodiphenyltrichloroethane

Bold values indicate a detection greater than the EPA RSL for soil leaching to groundwater. Highlighted values indicate a detection greater than the EPA RSL or DTSC SL for commercial/industrial land use.

(c) EPA Regional Screening Level (RSL) for commercial/industrial land use. Lowest RSL displayed based on cancer or non-cancer hazards and exposure pathways (ingestion, dermal contact, or inhalation).

(d) Not established (NE).

(e) RSL and SL established for total Endosulfan.

(f) EPA RSL for soil leaching to groundwater. Lowest RSL displayed for risk-based or Maximum Contaminant Level-based protection of groundwater.

(g) California Department of Toxic Substances Control (DTSC)-Modified Screening Levels (SL) for commercial/industrial land use. Lowest SL displayed based on cancer or non-cancer hazards.

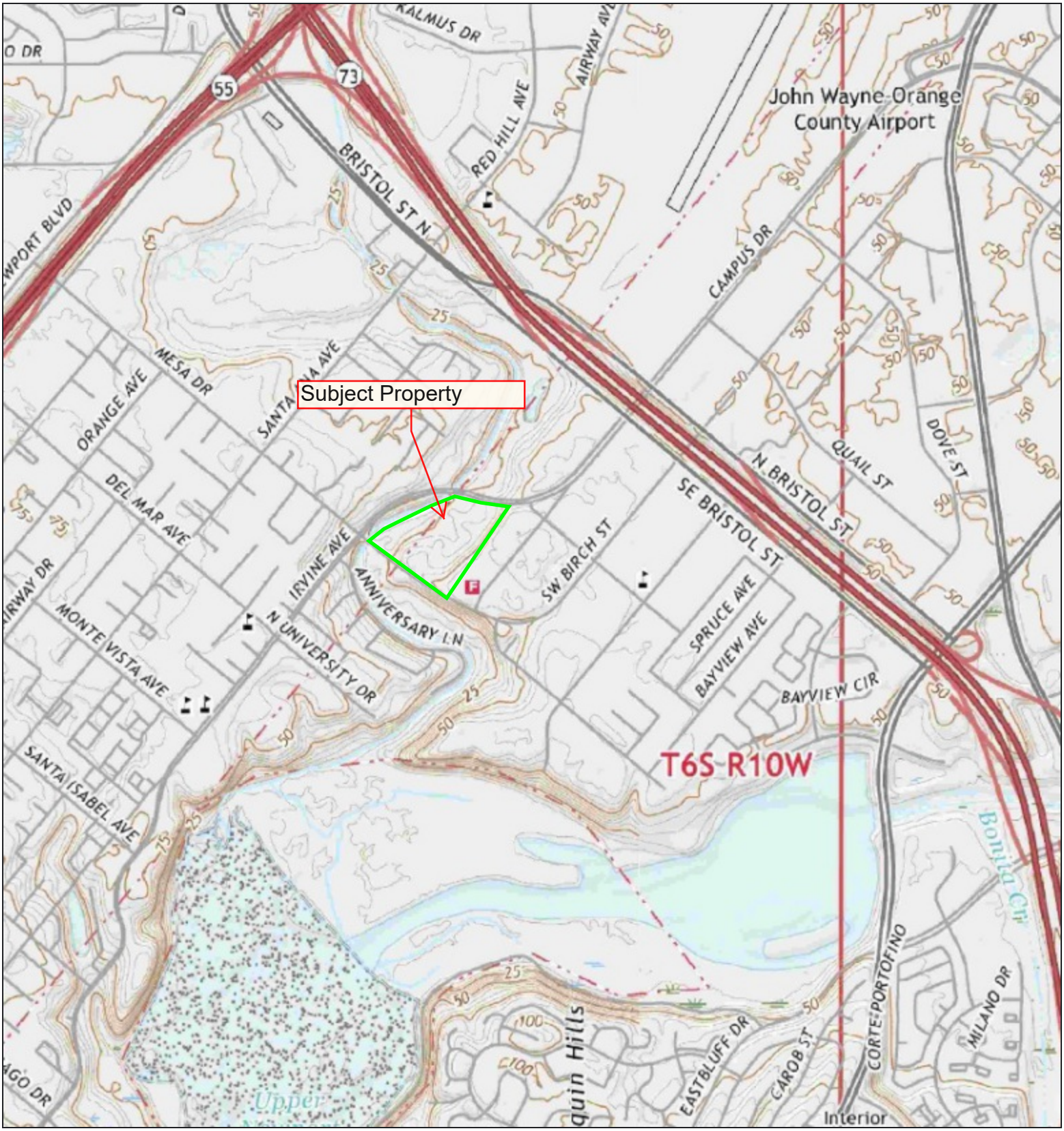
(h) Not detected (ND) above the reporting limit listed.

TABLE 4

SOIL ANALYTICAL RESULTS - PFAS
3100 IRVINE AVE
NEWPORT BEACH, CALIFORNIA

Sample Location	Sample Date	Per- and Polyfluoroalkyl Substances (PFAS)[a] (mg/kg)										
		6:2-Fluorotelomersulfonic acid (6:2 FTS)	Perfluorobutanoic acid (PFBA)	Perfluorobutanesulfonic acid (PFBS)	Perfluorodecanoic acid (PFDA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorononanoic acid (PFNA)	Perfluorooctanesulfonic acid (PFOS)	Perflouroheptanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)
Health Risk Screening Levels (C/I Soil)[b]		***NE***	***1,200***	***250***	***NE[c]***	***NE***	***410***	***16***	***2.5***	***1.6***	***2.5***	***NE***
SB-17-1	5/28/24	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025
SB-18-1	5/28/24	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025
SB-19-1	5/28/24	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025

(a) PFAS analyzed by U.S. Environmental Protection Agency (EPA) Method 537M; reported in milligrams per kilogram (mg/kg).
(b) EPA regional screening levels (RSL) for commerical/industrial (C/I) Soil. Lowest RSL or screening level (SL) displayed based on cancer or non-cancer hazards and exposure pathways (ingestion, dermal contact, or inhalation).
(c) Not established (NE).
(d) Not detected (ND) at the reporting limit listed.



72NBI

N

Source/Year : USGS, 2022

Scale: 1:18000

ORION	Subject Property Location Map 3100 Irvine Avenue, Newport Beach, CA	Date: May 15, 2024 Project No. 72NBI:1-1	Figure No: 1

72NBI

N

Source/Year : Maxar Technologies, 2022

Scale: 1:4500

ORION	Surrounding Land Use 3100 Irvine Avenue, Newport Beach, CA	Date: May 15, 2024 Project No. 72NBI:1-1	Figure No: 2

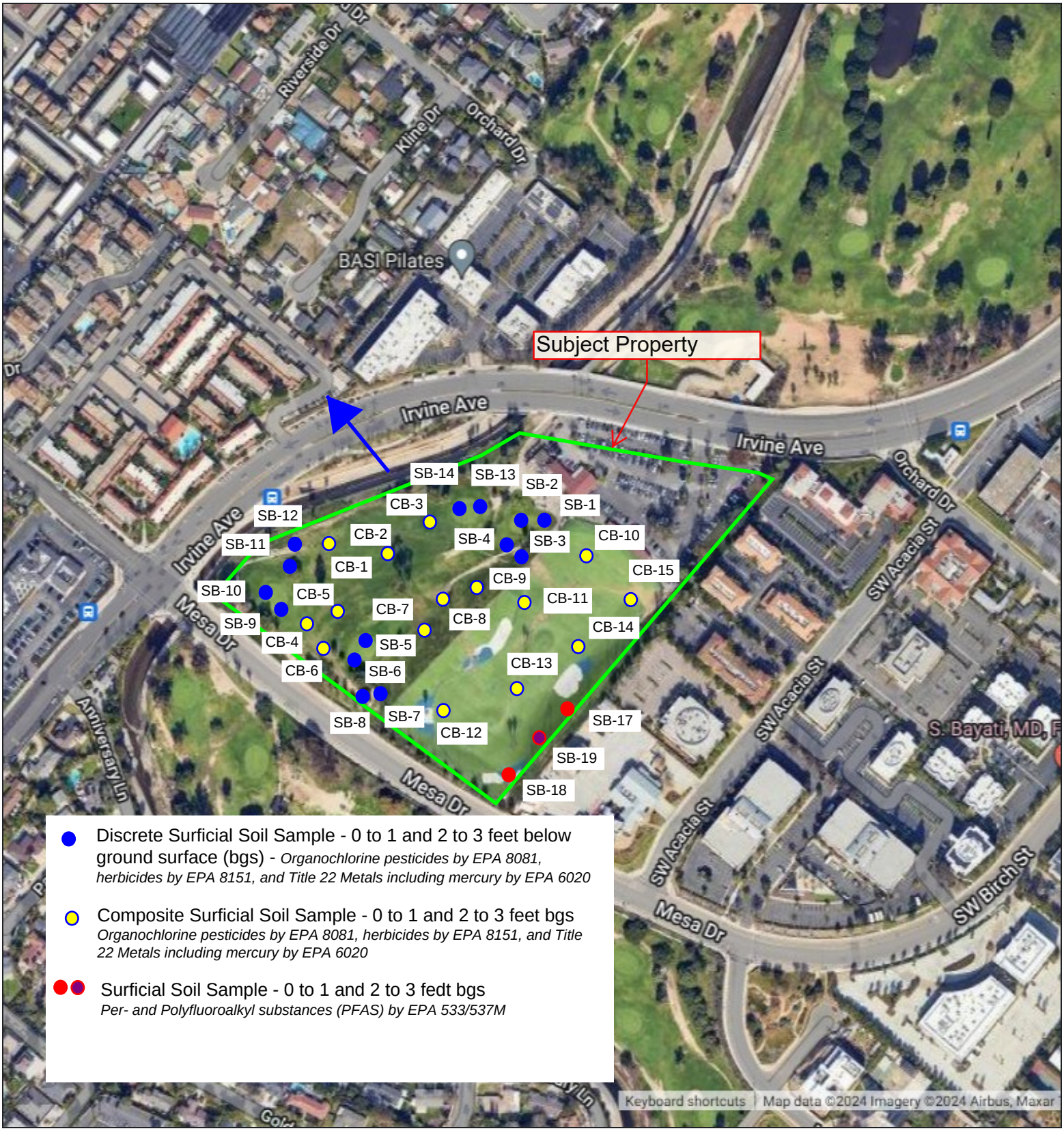
72NBI

N

Source/Year : Maxar Technologies, 2022

Scale: 1:4500

ORION	Subject Property Vicinity Map 3100 Irvine Avenue, Newport Beach, CA	Date: May 15, 2024 Project No. 72NBI:1-1	Figure No: 3



Discrete Surficial Soil Sample - 0 to 1 and 2 to 3 feet below ground surface (bgs) - *Organochlorine pesticides by EPA 8081, herbicides by EPA 8151, and Title 22 Metals including mercury by EPA 6020*

Composite Surficial Soil Sample - 0 to 1 and 2 to 3 feet bgs
Organochlorine pesticides by EPA 8081, herbicides by EPA 8151, and Title 22 Metals including mercury by EPA 6020

Surficial Soil Sample - 0 to 1 and 2 to 3 fedt bgs
Per- and Polyfluoroalkyl substances (PFAS) by EPA 533/537M

72NBI

N

Source/Year : Google Base Map

Scale: 1:4500

ORION	Phase II Sampling Locations 3100 Irvine Avenue, Newport Beach, CA	Date: July 15, 2024 Project No. 72NBI:1-1	Figure No: 4

APPENDIX A

PERMITS

APPLICATION FOR WELL/EXPLORATORY BORING PERMIT

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
OFFICE: 1241 E. DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
EHOCWELLS@OCHCA.COM
714-433-6000

WELL PERMIT NO. **24-05-31**

For multiple cities, addresses, or locations, complete a separate permit application. **PROPOSED START DATE** 05/23/2024

CITY	WELL LOCATION / STREET INTERSECTION	
Newport Beach	**DRIVING RANGE**	3100 Irvine Avenue, APN 119-200-41

LATITUDE (DECIMAL)	LONGTITUDE (DECIMAL)	OVERSIGHT AGENCY (if applicable)

EMAIL PERMIT TO: ajohnson@orionenv.com ■ Consultant ☐ Driller ☐ Well Owner

SERVICE ■ **Construction** ☐ **Destruction** **(Fee is per well)**

WATER WELLS (complete one permit application for per water well)
☐ Public Domestic/Municipal ☐ Private Domestic & No. of connections ___ ☐ Irrigation

☐ CATHODIC WELL (complete one permit application for per cathodic well)

NON-PRODUCTION WELLS (fee is the same as monitoring well construction) Total No. of Wells **1**

☐ Monitoring ____ ☐ Air Sparge ____ ☐ Soil Vapor Extraction ___ ☐ Electrical Grounding Well ____

☐ Water Extraction ____ ☐ Inclinometer ____ ☐ Injection/Recharge ____ ☐ Geothermal Heat Exchange ___

☐ Piezometer ____ ☐ Horizontal ____ ☐ Soil Vapor Probes ____ (non-Direct Push) ☐ Other _____ _____

EXPLORATORY BORINGS
(complete separate permits for probe survey and soil boring. Also complete the WELL & EXPLORATORY BORING DESTRUCTION section on the next page.)

☐ Probe Survey (CPT or Direct Push Only) ___ (flat fee)
☐ Probe Survey Soil Vapor Probes (Direct Push) ___ (flat fee)
■ Soil Boring (hollow stem auger, mud rotary, sonic, or bucket auger, etc...) **1**
(Fee for soil borings is same as Monitoring Well)

FOR ACCOUNTING USE ONLY

HSO NO_____ PAYMENT METHOD_____

DATE _____ AMOUNT **$345.00**

INTL _____

APPROVAL BY OTHER AGENCIES

JURISDICTION **CA WELL STANDARDS & OC WELL ORDINANCE**

REMARKS

USE A TREMIE PIPE TO BACKFILL THE SOIL BORING WITH AN APPROVED SEALING MATERIAL FROM BOTTOM TO WITHIN 5 FEET B.G.S.:

- FREEFALL IS PROHIBITED.
- SOIL CUTTINGS AND UNAPPROVED SEALING MIXTURES ARE PROHIBITED TO BE USED AS BACKFILL.

AUTHORIZED SIGNATURE DATE

FOR OFFICE USE ONLY
NO PERMIT IS DEEMED COMPLETED UNTIL THE FOLLOWING ARE MARKED AND SIGNED OFF:
☐ NOTIFICATION OF COMPLETION RECEIVED
☐ FINAL INSPECTION
☐ ALL REQUIRED DOCUMENTS RECEIVED

PRINT NAME PHONE NUMBER

DISPOSITION OF PERMIT (FOR OFFICE USE ONLY)

☒ APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:
NOTIFY THIS AGENCY AT LEAST 48 HOURS:
☒ PRIOR TO ANY CHANGES OF THE WORK PLAN.
☐ PRIOR TO SEALING THE ANNULAR SPACE.
☐ PRIOR TO FILLING OF CONDUCTOR CASING.

☒ SUBMIT TO THIS AGENCY, WITHIN 30 DAYS OF COMPLETION OF WORK, A COPY OF THE WELL COMPLETION REPORT(S) AND/OR DRILLING LOG(S). PLEASE REFERENCE PERMIT NO.

☐ SECURE ALL WELLS TO PREVENT TAMPERING.

☒ NOTIFY WHEN ALL WORK IS COMPLETED AND INCLUDE THE DEPTH TO FIRST ENCOUNTERED WATER, PHOTO DOCUMENTATION, AND/OR COPIES OF CEMENT TICKETS/CALCULATIONS.

☐ WORK COMPLETED PRIOR TO SUBMITTING PERMIT APPLICATION TO THIS AGENCY

☒ OTHER **PERMIT EXPIRES ON 05-18-2025**

Juan Anzora **05-17-2024**
PERMIT ISSUED BY DATE

JUAN ANZORA **714-433-6287**
PRINT NAME PHONE NUMBER

WHEN SIGNED BY AN ORANGE COUNTY HEALTH CARE AGENCY REPRESENTATIVE, THIS APPLICATION IS A VALID PERMIT.
(R01/22)

I hereby agree to comply with all applicable requirements of the Health Care Agency and with all ordinances and laws of the County of Orange and of the State of California pertaining to well construction, reconstruction and destruction, including the requirements to maintain the integrity of all significant confining zones. A violation of the California Well Standards and the local Well Ordinances may constitute a misdemeanor (County Well Ordinance Sec. 4-5-31).

WELL OWNER

WELL OWNER'S NAME	EMAIL ADDRESS
Back Bay Barrels, LLC	adam@surffarm.com
WELL OWNER'S ADDRESS / CITY / STATE/ ZIP CODE	**TELEPHONE NUMBER**
1940 Continental Ave Costa Mesa Ca 92627	(949) 836-3055
WELL OWNER'S SIGNATURE	**DATE**
	5/15/2024

CONSULTING FIRM

NAME OF CONSULTING FIRM	BUSINESS ADDRESS/CITY/STATE/ZIP CODE	PROFESSIONAL LICENSE NUMBER
Orion Environmental	2955 Redondo Avenue	C71230
CONSULTANT'S SIGNATURE	**DATE**	**EMAIL ADDRESS**
	05/09/2024	mpurchase@orionenv.com

DRILLING CONTRACTOR

NAME OF DRILLER	EMAIL ADDRESS	C-57 LICENSE NUMBER
CoreProbe International	stewart@coreprobe.com	772519
DRILLER'S SIGNATURE		**DATE**
C. Stewart Graham		05/09/2024

REQUIRED DOCUMENTS

WATER & STORMWATER DRY INJECTION WELL CONSTRUCTION

☐ An approval from the Division of Drinking Water (DDW) for public or municipal water wells.

☐ A cross-section well diagram detailing total depth, borehole diameter, depth and thickness of the sanitary seal(s), type(s) of casing(s), and length(s) of screen(s) / slotting. A top view is required for nested wells that demonstrate the radial thickness separation.

☐ Indicate the number of water aquifers the well will be screened through.

☐ A site map using a 250-foot radius from the proposed water well location that includes locations and distances to:

- All existing, active, inactive, and/or abandoned water wells.
- All existing, abandoned, and/or proposed sewer lines, recycled water lines, and storm drain lines.
- All active and/or abandoned leach fields, cesspits, and septic tanks.
- All animal enclosures (e.g., stables, coops, kennels, etc.).
- All water courses and/or bodies of water, including, but not limited to: rivers, creeks, ponds, retention ponds, and/or swimming pools.
- All other underground storage tanks and open (regulated) remediation sites.
- All nearby structures (e.g., commercial and residential buildings, houses, storage sheds) sanitary hazards and their locations.

NON-PRODUCTION WELL CONSTRUCTION

☐ Written work plan. For regulated sites, an approved work plan by the overseeing regulatory agency must be included for the installation of any type of nested well.

☐ Site map(s) showing the locations of the proposed wells (no topographical maps).

☐ A cross-section well diagram detailing total depth, borehole diameter, depth and thickness of the sanitary seal(s), type(s) of casing(s), and length(s) of screen(s) / slotting. A top view is required for nested wells that demonstrates a 2-inch radial thickness separation between casings and casing and wall of the borehole.

WELL & EXPLORATORY BORING DESTRUCTION

☐ Written work plan. For regulated sites, an approval of the work plan by the overseeing regulatory agency must be included.

☒ Site map(s) showing the locations of the wells to be destroyed (no topographical maps).

☐ Type and amount of sealant (show calculations for water wells):

Total depth _____feet Borehole diameter _____inches Sealing material Select One of the Approved Materials

☒ Method of destruction: Back fill borehole with tremie pipe using bentonite grout using a high solids benotinite at least 20% or greater

☐ Pressure grout / removal of top 5 feet casing / removal of well boxes ☐ Overdrill ☐ Excavation

☐ Other **AN APPROVED SEALING MATERIAL SHALL BE USED TO BACKFILL THE BORING FROM BOTTOM TO WITHIN 5 FEET OF THE SURFACE USING A TREMIE PIPE.**

Subject Property Boundary

Former Underground Storage Tank

Groundwater Sample - 45 to 55 feet bgs
PFAS by EPA 533/537M

Groundwater Flow

APPENDIX B

FIELD QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

APPENDIX B
FIELD QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

The following sections describe quality assurance/quality control (QA/QC) procedures for field activities.

Health and Safety

Orion Environmental Inc. (Orion) used a site-specific health and safety plan (HSP) with procedures that were followed by field personnel for equipment safety, medical surveillance, personal protection, air quality monitoring, exposure control, emergency response, and general work practices during field activities. Before beginning work at the site, a site safety meeting was conducted. Field personnel reviewed the HSP and signed the accompanying acknowledgment form before initiating field activities. Field personnel were required to comply with the HSP throughout performance of site assessment activities. Based on the site history and potential chemicals of concern, field activities were initiated in Level D personal protective equipment (PPE).

Personal Decontamination Procedures

At a minimum, field personnel followed the following decontamination procedures:

1. Wore appropriate gloves.
2. Washed hands thoroughly with soap and water.
3. Avoided unnecessary contact with potentially hazardous materials.

The HSP was reviewed for site-specific personal decontamination procedures.

Documentation Procedures

Field personnel followed documentation procedures developed for site investigation work. The procedures served to (1) provide a record of the activities performed in the field and (2) permit identification of samples and tracking of their status in the field, during shipment, and at the laboratory. All documentation was recorded with waterproof ink.

Hand Auger Soil Sampling

Soil borings were advanced using a hand auger. When the sampling depth was reached, the auger was removed from the boring and a sampler lowered to collect the soil sample. Soil samples were retrieved from the core extracted by the hand auger. Field personnel collected a portion of the soil from core and placed in a resealable plastic bag, which was closed and allowed to equilibrate for approximately 10 minutes. The organic vapor levels in the headspace were measured using a PID. The same sample was visually examined, and the results of the visual observation and headspace reading were recorded.

Hand auger sampling locations were backfilled the same day with native soil.

Soil Boring and Drilling

Soil borings were advanced using a truck- or track-mounted Geoprobe sampling rig with direct-push technology. The drill rods and sampling equipment were advanced into the subsurface with hydraulic pressure and the percussion of a top-mounted impact hammer. Soil borings were advanced to the target sampling depths using a stainless-steel tip and 1.5-inch-diameter stainless steel rods.

When the sampling depth was reached, a piston rod was removed from the boring and a sampler lowered to collect the soil sample. Soil samples were collected using a hollow 1-inch-diameter, 2-foot-long steel sample tube fitted with either (i) a 24-inch-long acetate sleeve or (ii) four brass tubes, each 1-inch diameter and 6-inches long. The sample tube was advanced into the undisturbed soil at the desired depth and then removed from the boring. Samples were generally collected at 5-foot intervals starting at 5 feet below ground surface.

Immediately after the sampler was retrieved, it was placed on a portable field stand near the boring and the acetate sleeve or brass tubes were removed. An approximately 6- to 12-inch-long portion of the 24-inch acetate sleeve was cut in the field and capped with Teflon liners and PVC end caps. If brass tubes were used, the ends of one of the tubes was covered with Teflon liners and PVC end caps.

A portion of the soil from one of the remaining tubes was extruded and placed in a resealable plastic bag, which was closed and allowed to equilibrate for approximately 10 minutes. The organic vapor levels in the headspace were measured using a PID of FID. The same sample was visually examined and classified based on the United Soil Classification System. Soil samples were examined for staining and odors. The results of the visual observations and headspace reading were recorded on the boring logs.

Borings were backfilled the same day with cement/bentonite grout using the augers as a tremie pipe.

Soil Sampling

Soil samples were collected for laboratory analysis using containers provided by the analytical laboratory, including glass jars and Terra Core™ kits. The sample containers were labeled or marked and placed in a resealable plastic bag on ice in a cooler until delivery to the analytical laboratory. A permanent pen was used to complete the label or mark directly on the tube. The information recorded included project identification, sample number (including boring number and sample depth), date, time, and the initials

of the person preparing the samples. Standard chain-of-custody procedures were used during sample collection and delivery.

Solid Waste Storage and Disposal

Solid wastes such as used PPE, paper towels, trash bags, and any other solid debris were collected for disposal. If sampled soil was not a hazardous waste, then solid wastes were double-bagged using plastic trash bags and placed into solid waste dumpsters. The contents of the solid waste dumpsters were disposed of at an approved solid waste facility.

Soil cuttings generated during investigation activities were stored in drums approved by the U.S. Department of Transportation. At the completion of field investigation activities, samples from the drums were collected and analyzed in accordance with the sampling plans. Once the analytical results were obtained, the Project Manager determined the appropriate disposal method for these wastes.

Chain-of-Custody Records

During sample collection, chain-of-custody records were completed before samples were packaged for shipment. One copy of these records was placed in the project file. A second copy accompanied samples during transportation to the laboratory. The individual in the analytical laboratory who accepted responsibility for samples signed and dated the chain-of-custody record.

Analytical QA/QC Procedures

Laboratory analytical QA/QC procedures included (1) preparing and analyzing laboratory samples to assess the performance of the analytical laboratory and (2) conducting data validation in accordance with the protocols described below. QA/QC samples prepared by the laboratory included method blanks, matrix spike and matrix spike duplicates, and laboratory control samples.

The laboratory results were reviewed in general accordance with EPA guidelines for data validation. The data validation process included reviewing laboratory results for the following parameters:

- Completeness of the data package
- Compliance with EPA-required holding times
- Agreement of dilution factors with reported detection limits
- Percent recovery and relative percent difference results for matrix spike and matrix spike duplicate analyses
- Percent recovery results for laboratory control samples.

APPENDIX C

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

July 09, 2024

Adair Johnson
Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Report No.: 2405226
Project Name: 72NBI - 3100 Irvine Ave, Newport Beach CA

Dear Adair Johnson,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 29, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

John Schmidt
Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 07/09/24
Submitted: 05/29/24
PLS Report No.: 2405226

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-19-1 Soil (2405226-01) Sampled: 05/28/24 08:40 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 537M PFAS	See Attachment									

Sample ID: SB-17-1 Soil (2405226-02) Sampled: 05/28/24 11:45 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 537M PFAS	See Attachment									

Sample ID: SB-18-1 Soil (2405226-03) Sampled: 05/28/24 11:57 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 537M PFAS	See Attachment									

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)

WECK LABORATORIES, INC.

Certificate of Analysis
FINAL REPORT

Work Order 4E30037

Project Name: Positive Labs
Project Number: 2405226

P.O. #: 20471

Attn: Lupe Tanaka
Client: Positive Lab Service
781 East Washington Blvd.
Los Angeles, CA 90021

Report Date: 7/09/2024
Received Date: 5/30/2024 12:01 pm
Turnaround Time: Normal
Billing Code:

Phones: (213) 745-5312
Fax: (213) 745-6372

Sample Results

Sample: 2405226-01, Alias: SB-19-1

4E30037-01 (Solid) Sampled: 05/28/24 8:40 by Client

Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS

Method: EPA 537M **Instr:** LCMS06
Batch ID: W4F1248 **Preparation:** EPA 537M **Prepared:** 06/17/24 09:24 **Analyst:** JNA

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
11Cl-PF3OUdS	ND		2.5	ug/kg	1	06/20/24	
4:2 FTS	ND		2.5	ug/kg	1	06/20/24	
6:2 FTS	ND		2.5	ug/kg	1	06/20/24	
8:2 FTS	ND		4.0	ug/kg	1	06/20/24	
9Cl-PF3ONS	ND		2.5	ug/kg	1	06/20/24	
ADONA	ND		2.5	ug/kg	1	06/20/24	
EtFOSA	ND		2.5	ug/kg	1	06/20/24	
EtFOSAA	ND		2.5	ug/kg	1	06/20/24	
EtFOSE	ND		2.5	ug/kg	1	06/20/24	
FOSA	ND		2.5	ug/kg	1	06/20/24	
HFPO-DA	ND		2.5	ug/kg	1	06/20/24	
MeFOSA	ND		2.5	ug/kg	1	06/20/24	
MeFOSAA	ND		2.5	ug/kg	1	06/20/24	
MeFOSE	ND		2.5	ug/kg	1	06/20/24	
Perfluorooctanoic acid (PFOA)	ND		2.5	ug/kg	1	06/20/24	
PFBA	ND		2.5	ug/kg	1	06/20/24	
PFBS	ND		2.5	ug/kg	1	06/20/24	
PFDA	ND		2.5	ug/kg	1	06/20/24	
PFDoA	ND		2.5	ug/kg	1	06/20/24	
PFDS	ND		2.5	ug/kg	1	06/20/24	
PFHpA	ND		2.5	ug/kg	1	06/20/24	
PFHpS	ND		2.5	ug/kg	1	06/20/24	
PFHxA	ND		2.5	ug/kg	1	06/20/24	
PFHxS	ND		2.5	ug/kg	1	06/20/24	
PFNA	ND		2.5	ug/kg	1	06/20/24	

Sample Results

(Continued)

Sample: 2405226-01, Alias: SB-19-1

(Continued)

4E30037-01 (Solid)

Sampled: 05/28/24 8:40 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W4F1248 **Preparation:** EPA 537M			**Prepared:** 06/17/24 09:24				**Analyst:** JNA
PFNS	ND		2.5	ug/kg	1	06/20/24	
PFOS	ND		2.5	ug/kg	1	06/20/24	
PFPeA	ND		2.5	ug/kg	1	06/20/24	
PFPeS	ND		2.5	ug/kg	1	06/20/24	
PFTeDA	ND		2.5	ug/kg	1	06/20/24	
PFTrDA	ND		2.5	ug/kg	1	06/20/24	
PFUnA	ND		2.5	ug/kg	1	06/20/24	

Sample Results

(Continued)

Sample: 2405226-03, Alias: SB-17-1

4E30037-03 (Solid)

Sampled: 05/28/24 11:45 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS							
Method: EPA 537M				**Instr:** LCMS06			
Batch ID: W4F1248 **Preparation:** EPA 537M				**Prepared:** 06/17/24 09:24			**Analyst:** JNA
11Cl-PF3OUdS	ND		2.5	ug/kg	1	06/20/24	
4:2 FTS	ND		2.5	ug/kg	1	06/20/24	
6:2 FTS	ND		2.5	ug/kg	1	06/20/24	
8:2 FTS	ND		4.0	ug/kg	1	06/20/24	
9Cl-PF3ONS	ND		2.5	ug/kg	1	06/20/24	
ADONA	ND		2.5	ug/kg	1	06/20/24	
EtFOSA	ND		2.5	ug/kg	1	06/20/24	
EtFOSAA	ND		2.5	ug/kg	1	06/20/24	
EtFOSE	ND		2.5	ug/kg	1	06/20/24	
FOSA	ND		2.5	ug/kg	1	06/20/24	
HFPO-DA	ND		2.5	ug/kg	1	06/20/24	
MeFOSA	ND		2.5	ug/kg	1	06/20/24	
MeFOSAA	ND		2.5	ug/kg	1	06/20/24	
MeFOSE	ND		2.5	ug/kg	1	06/20/24	
Perfluorooctanoic acid (PFOA)	ND		2.5	ug/kg	1	06/20/24	
PFBA	ND		2.5	ug/kg	1	06/20/24	
PFBS	ND		2.5	ug/kg	1	06/20/24	
PFDA	ND		2.5	ug/kg	1	06/20/24	
PFDoA	ND		2.5	ug/kg	1	06/20/24	
PFDS	ND		2.5	ug/kg	1	06/20/24	
PFHpA	ND		2.5	ug/kg	1	06/20/24	
PFHpS	ND		2.5	ug/kg	1	06/20/24	
PFHxA	ND		2.5	ug/kg	1	06/20/24	
PFHxS	ND		2.5	ug/kg	1	06/20/24	
PFNA	ND		2.5	ug/kg	1	06/20/24	
PFNS	ND		2.5	ug/kg	1	06/20/24	
PFOS	ND		2.5	ug/kg	1	06/20/24	
PFPeA	ND		2.5	ug/kg	1	06/20/24	
PFPeS	ND		2.5	ug/kg	1	06/20/24	
PFTeDA	ND		2.5	ug/kg	1	06/20/24	
PFTrDA	ND		2.5	ug/kg	1	06/20/24	
PFUnA	ND		2.5	ug/kg	1	06/20/24	

Sample Results

(Continued)

Sample: 2405226-05, Alias: SB-18-1

4E30037-05 (Solid)

Sampled: 05/28/24 11:57 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS							
Method: EPA 537M				**Instr:** LCMS06			
Batch ID: W4F1248 **Preparation:** EPA 537M				**Prepared:** 06/17/24 09:24			**Analyst:** JNA
11Cl-PF3OUdS	ND		2.5	ug/kg	1	06/20/24	
4:2 FTS	ND		2.5	ug/kg	1	06/20/24	
6:2 FTS	ND		2.5	ug/kg	1	06/20/24	
8:2 FTS	ND		4.0	ug/kg	1	06/20/24	
9Cl-PF3ONS	ND		2.5	ug/kg	1	06/20/24	
ADONA	ND		2.5	ug/kg	1	06/20/24	
EtFOSA	ND		2.5	ug/kg	1	06/20/24	
EtFOSAA	ND		2.5	ug/kg	1	06/20/24	
EtFOSE	ND		2.5	ug/kg	1	06/20/24	
FOSA	ND		2.5	ug/kg	1	06/20/24	
HFPO-DA	ND		2.5	ug/kg	1	06/20/24	
MeFOSA	ND		2.5	ug/kg	1	06/20/24	
MeFOSAA	ND		2.5	ug/kg	1	06/20/24	
MeFOSE	ND		2.5	ug/kg	1	06/20/24	
Perfluorooctanoic acid (PFOA)	ND		2.5	ug/kg	1	06/20/24	
PFBA	ND		2.5	ug/kg	1	06/20/24	
PFBS	ND		2.5	ug/kg	1	06/20/24	
PFDA	ND		2.5	ug/kg	1	06/20/24	
PFDoA	ND		2.5	ug/kg	1	06/20/24	
PFDS	ND		2.5	ug/kg	1	06/20/24	
PFHpA	ND		2.5	ug/kg	1	06/20/24	
PFHpS	ND		2.5	ug/kg	1	06/20/24	
PFHxA	ND		2.5	ug/kg	1	06/20/24	
PFHxS	ND		2.5	ug/kg	1	06/20/24	
PFNA	ND		2.5	ug/kg	1	06/20/24	
PFNS	ND		2.5	ug/kg	1	06/20/24	
PFOS	ND		2.5	ug/kg	1	06/20/24	
PFPeA	ND		2.5	ug/kg	1	06/20/24	
PFPeS	ND		2.5	ug/kg	1	06/20/24	
PFTeDA	ND		2.5	ug/kg	1	06/20/24	
PFTrDA	ND		2.5	ug/kg	1	06/20/24	
PFUnA	ND		2.5	ug/kg	1	06/20/24	

Quality Control Results

Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W4F1248 - EPA 537M										
Blank (W4F1248-BLK1)			Prepared: 06/17/24 Analyzed: 06/19/24							
11Cl-PF3OUdS	ND	2.5	ug/kg							
4:2 FTS	ND	2.5	ug/kg							
6:2 FTS	ND	2.5	ug/kg							
8:2 FTS	ND	4.0	ug/kg							
9Cl-PF3ONS	ND	2.5	ug/kg							
ADONA	ND	2.5	ug/kg							
EtFOSA	ND	2.5	ug/kg							
EtFOSAA	ND	2.5	ug/kg							
EtFOSE	ND	2.5	ug/kg							
FOSA	ND	2.5	ug/kg							
HFPO-DA	ND	2.5	ug/kg							
MeFOSA	ND	2.5	ug/kg							
MeFOSAA	ND	2.5	ug/kg							
MeFOSE	ND	2.5	ug/kg							
Perfluorooctanoic acid (PFOA)	ND	2.5	ug/kg							
PFBA	ND	2.5	ug/kg							
PFBS	ND	2.5	ug/kg							
PFDA	ND	2.5	ug/kg							
PFDoA	ND	2.5	ug/kg							
PFDS	ND	2.5	ug/kg							
PFHpA	ND	2.5	ug/kg							
PFHpS	ND	2.5	ug/kg							
PFHxA	ND	2.5	ug/kg							
PFHxS	ND	2.5	ug/kg							
PFNA	ND	2.5	ug/kg							
PFNS	ND	2.5	ug/kg							
PFOS	ND	2.5	ug/kg							
PFPeA	ND	2.5	ug/kg							
PFPeS	ND	2.5	ug/kg							
PFTeDA	ND	2.5	ug/kg							
PFTrDA	ND	2.5	ug/kg							
PFUnA	ND	2.5	ug/kg							
LCS (W4F1248-BS1)			Prepared: 06/17/24 Analyzed: 06/19/24							
11Cl-PF3OUdS	2.49	2.5	ug/kg	2.50		100	70-130			
4:2 FTS	2.81	2.5	ug/kg	2.50		112	62-145			
6:2 FTS	2.42	2.5	ug/kg	2.50		97	64-140			
8:2 FTS	2.57	4.0	ug/kg	2.50		103	65-137			
9Cl-PF3ONS	2.33	2.5	ug/kg	2.50		93	70-130			

Quality Control Results

(Continued)

Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W4F1248 - EPA 537M (Continued)										
LCS (W4F1248-BS1)				Prepared: 06/17/24 Analyzed: 06/19/24						
ADONA	2.40	2.5	ug/kg	2.50		96	70-130			
EtFOSA	2.13	2.5	ug/kg	2.50		85	70-130			
EtFOSAA	2.10	2.5	ug/kg	2.50		84	61-139			
EtFOSE	2.97	2.5	ug/kg	2.50		119	70-130			
FOSA	2.60	2.5	ug/kg	2.50		104	67-137			
HFPO-DA	2.17	2.5	ug/kg	2.50		87	70-130			
MeFOSA	2.22	2.5	ug/kg	2.50		89	70-130			
MeFOSAA	1.61	2.5	ug/kg	2.50		64	63-144			
MeFOSE	2.41	2.5	ug/kg	2.50		96	70-130			
Perfluorooctanoic acid (PFOA)	2.55	2.5	ug/kg	2.50		102	69-133			
PFBA	2.23	2.5	ug/kg	2.50		89	40-150			
PFBS	2.37	2.5	ug/kg	2.50		95	72-128			
PFDA	2.30	2.5	ug/kg	2.50		92	69-133			
PFDoA	2.40	2.5	ug/kg	2.50		96	69-135			
PFDS	2.78	2.5	ug/kg	2.50		111	59-134			
PFHpA	2.51	2.5	ug/kg	2.50		100	71-131			
PFHpS	2.60	2.5	ug/kg	2.50		104	70-132			
PFHxA	2.63	2.5	ug/kg	2.50		105	70-132			
PFHxS	2.71	2.5	ug/kg	2.50		108	67-130			
PFNA	2.36	2.5	ug/kg	2.50		94	72-129			
PFNS	2.61	2.5	ug/kg	2.50		104	69-125			
PFOS	2.36	2.5	ug/kg	2.50		95	68-136			
PFPeA	2.50	2.5	ug/kg	2.50		100	69-132			
PFPeS	2.49	2.5	ug/kg	2.50		100	73-123			
PFTeDA	2.05	2.5	ug/kg	2.50		82	69-133			
PFTrDA	2.99	2.5	ug/kg	2.50		120	66-139			
PFUnA	2.45	2.5	ug/kg	2.50		98	64-136			
Matrix Spike (W4F1248-MS1)		Source: 4F11123-01		Prepared: 06/17/24 Analyzed: 06/20/24						
11Cl-PF3OUdS	1.64	2.5	ug/kg	2.51	*ND*	65	70-130			MS-01
4:2 FTS	2.60	2.5	ug/kg	2.51	*ND*	103	62-145			
6:2 FTS	75.2	2.5	ug/kg	2.51	*76.9*	NR	64-140			MS-01
8:2 FTS	3.25	4.0	ug/kg	2.51	*0.699*	101	65-137			
9Cl-PF3ONS	1.80	2.5	ug/kg	2.51	*ND*	72	70-130			
ADONA	4.54	2.5	ug/kg	2.51	*ND*	181	70-130			I-05, MS-01
EtFOSA	2.00	2.5	ug/kg	2.51	*ND*	80	70-130			I-05
EtFOSAA	2.30	2.5	ug/kg	2.51	*ND*	91	61-139			
EtFOSE	2.44	2.5	ug/kg	2.51	*ND*	97	70-130			I-05
FOSA	2.89	2.5	ug/kg	2.51	*ND*	115	67-137			

Quality Control Results

(Continued)

Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W4F1248 - EPA 537M (Continued)										
Matrix Spike (W4F1248-MS1)	Source: 4F11123-01		Prepared: 06/17/24	Analyzed: 06/20/24						
HFPO-DA	2.50	2.5	ug/kg	2.51	*ND*	99	70-130			
MeFOSA	2.28	2.5	ug/kg	2.51	*ND*	91	70-130			I-05
MeFOSAA	1.88	2.5	ug/kg	2.51	*ND*	75	63-144			
MeFOSE	2.35	2.5	ug/kg	2.51	*ND*	93	70-130			I-05
Perfluorooctanoic acid (PFOA)	995	2.5	ug/kg	2.51	*916*	NR	69-133			E-01, MS-01
PFBA	22.5	2.5	ug/kg	2.51	*10.6*	473	71-135			MS-01
PFBS	226	2.5	ug/kg	2.51	*162*	NR	72-128			E-01, MS-01
PFDA	2.68	2.5	ug/kg	2.51	*ND*	107	69-133			
PFDoA	2.32	2.5	ug/kg	2.51	*ND*	92	69-135			
PFDS	1.73	2.5	ug/kg	2.51	*ND*	69	59-134			
PFHpA	250	2.5	ug/kg	2.51	*206*	NR	71-131			E-01, MS-01
PFHpS	25.4	2.5	ug/kg	2.51	*23.6*	74	70-132			
PFHxA	801	2.5	ug/kg	2.51	*658*	NR	70-132			E-01, MS-01
PFHxS	1970	2.5	ug/kg	2.51	*1650*	NR	67-130			E-01, I-05, MS-01
PFNA	11.3	2.5	ug/kg	2.51	*8.25*	123	72-129			
PFNS	1.59	2.5	ug/kg	2.51	*ND*	63	69-125			MS-01
PFOS	762	2.5	ug/kg	2.51	*761*	19	68-136			E-01, MS-01
PFPeA	223	2.5	ug/kg	2.51	*145*	NR	69-132			E-01, MS-01
PFPeS	356	2.5	ug/kg	2.51	*249*	NR	73-123			E-01, I-05, MS-01
PFTeDA	1.95	2.5	ug/kg	2.51	*ND*	78	69-133			
PFTrDA	2.26	2.5	ug/kg	2.51	*ND*	90	66-139			
PFUnA	2.73	2.5	ug/kg	2.51	*ND*	109	64-136			
Matrix Spike Dup (W4F1248-MSD1)	Source: 4F11123-01		Prepared: 06/17/24	Analyzed: 06/20/24						
11Cl-PF3OUdS	1.98	2.5	ug/kg	2.50	*ND*	79	70-130	19	30	
4:2 FTS	2.51	2.5	ug/kg	2.50	*ND*	100	62-145	3	30	
6:2 FTS	71.6	2.5	ug/kg	2.50	*76.9*	NR	64-140	5	30	MS-01
8:2 FTS	2.72	4.0	ug/kg	2.50	*0.699*	81	65-137	18	30	
9Cl-PF3ONS	2.10	2.5	ug/kg	2.50	*ND*	84	70-130	15	30	
ADONA	3.39	2.5	ug/kg	2.50	*ND*	135	70-130	29	30	MS-01
EtFOSA	2.13	2.5	ug/kg	2.50	*ND*	85	70-130	6	30	
EtFOSAA	2.81	2.5	ug/kg	2.50	*ND*	112	61-139	20	30	
EtFOSE	3.05	2.5	ug/kg	2.50	*ND*	122	70-130	22	30	I-05
FOSA	2.66	2.5	ug/kg	2.50	*ND*	107	67-137	8	30	
HFPO-DA	2.30	2.5	ug/kg	2.50	*ND*	92	70-130	8	30	
MeFOSA	2.13	2.5	ug/kg	2.50	*ND*	85	70-130	7	30	
MeFOSAA	2.59	2.5	ug/kg	2.50	*ND*	104	63-144	32	30	R-02

Quality Control Results

(Continued)

Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W4F1248 - EPA 537M (Continued)										
Matrix Spike Dup (W4F1248-MSD1)	Source: 4F11123-01		Prepared: 06/17/24	Analyzed: 06/20/24						
MeFOSE	2.90	2.5	ug/kg	2.50	*ND*	116	70-130	21	30	I-05
Perfluorooctanoic acid (PFOA)	863	2.5	ug/kg	2.50	*916*	NR	69-133	14	30	E-01, MS-01
PFBA	13.8	2.5	ug/kg	2.50	*10.6*	126	71-135	48	30	R-02
PFBS	155	2.5	ug/kg	2.50	*162*	NR	72-128	37	30	E-01, MS-01, R-02
PFDA	2.70	2.5	ug/kg	2.50	*ND*	108	69-133	0.6	30	
PFDoA	2.73	2.5	ug/kg	2.50	*ND*	109	69-135	16	30	
PFDS	2.06	2.5	ug/kg	2.50	*ND*	82	59-134	17	30	
PFHpA	195	2.5	ug/kg	2.50	*206*	NR	71-131	25	30	E-01, MS-01
PFHpS	26.6	2.5	ug/kg	2.50	*23.6*	122	70-132	5	30	
PFHxA	658	2.5	ug/kg	2.50	*658*	10	70-132	19	30	E-01, MS-01
PFHxS	1520	2.5	ug/kg	2.50	*1650*	NR	67-130	26	30	E-01, MS-01
PFNA	9.68	2.5	ug/kg	2.50	*8.25*	57	72-129	16	30	MS-01
PFNS	1.56	2.5	ug/kg	2.50	*ND*	63	69-125	1	30	MS-01
PFOS	608	2.5	ug/kg	2.50	*761*	NR	68-136	22	30	E-01, MS-01
PFPeA	151	2.5	ug/kg	2.50	*145*	204	69-132	39	30	E-01, MS-01, R-02
PFPeS	227	2.5	ug/kg	2.50	*249*	NR	73-123	44	30	E-01, MS-01, R-02
PFTeDA	3.39	2.5	ug/kg	2.50	*ND*	136	69-133	54	30	MS-01, R-02
PFTrDA	2.10	2.5	ug/kg	2.50	*ND*	84	66-139	7	30	
PFUnA	2.33	2.5	ug/kg	2.50	*ND*	93	64-136	16	30	

Notes and Definitions

Item	Definition
E-01	The concentration indicated for this analyte is an estimated value above the calibration range.
I-05	Low internal standard recovery possibly due to matrix interference. The result is suspect.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
R-02	The RPD was outside of QC acceptance limits due to possible matrix interference.
%REC	Percent Recovery
Dil	Dilution
MRL	Method Reporting Limit (MRL) is the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Analyses Accreditation

Analyte	CAS #	Not By ELAP-CA	Not By NELAP-OR	Not By ANAB ISO 17025
EPA 537M in Solid				
FOSA	754-91-6	⊗		
10:2 FTS	108026-35-3	⊗		
PFHxDA	67905-19-5	⊗		
7:3 FTCA	812-70-4	⊗		
3:3 FTCA	356-02-5	⊗		
5:3 FTCA	914637-49-3	⊗		
NFDHA	151772-58-6	⊗		
PFEESA	113507-82-7	⊗		
PFMPA	377-73-1	⊗		
PFMBA	863090-89-5	⊗		

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

This laboratory report may contain results for target analytes that are not currently certifiable by the California Environmental Laboratory Accreditation Program (ELAP). ELAP is the state agency that accredits environmental testing laboratories in California<https://www.waterboards.ca.gov/drinking_water/certlic/labs/index.html>. ELAP certification is required for laboratories that perform testing for regulatory purposes, such as drinking water, wastewater, hazardous waste, and ambient water<https://www.waterboards.ca.gov/drinking_water/certlic/labs/apply.html>. However, ELAP does not certify all analytes or methods that a laboratory may offer. Therefore, some of the target analytes in this report may not have been tested under ELAP-approved methods or quality control procedures. The results for these analytes are provided for informational purposes only and should not be usea for regulatory compliance or decision making. Please contact the laboratory if you have any questions or concerns about the report.

Reviewed by:

Ryan J. Gasio
Project Manager

DoD-ELAP ANAB #ADE-2882 • DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. The report may include analytes that are not currently accreditable by some state agencies or accrediting bodies. This analytical report must be reproduced in its entirety.

4E30037 126609

POSITIVE LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

DATE: _____ PAGE 1 OF 1

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

AIRBILL NO: _____

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: PLS Project Name/No. 2405226 P.O. NO. 20471

OBSERV. TEMP: 8.2
CORREC. TEMP: 8.2
THERMO ID: T-0307

ADDRESS:

ANALYSES REQUESTED:

PROJECT MANAGER: LUPE TANAKA PHONE NO: 213.745.5312 FAX NO:

PRESERVATIVE:

SAMPLER NAME: (Printed) (Signature)

REMARKS:
* Data Transfer Needed

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# ____ ____ ____ ____ ____ ____ ____ ____ ____ ____

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	EPA 537m PFAS								SAMPLE CONDITION/ CONTAINER /COMMENTS:
1		5/28/24	8:40	SB-19-1		X			N	1	P	X								
2			8:45	SB-19-3																HOLD
3			11:45	SB-17-1																
4			11:48	SB-17-3																HOLD
5			11:57	SB-18-1																
6			12:02	SB-18-3																HOLD
7																				
8																				
9																				
10																				

Relinquished By: (Signature and Printed Name) Tom Davis Received By: (Signature and Printed Name) CSA Date: 5/30/24 Time: 1201

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days

By _____ Date _____

WECK LABORATORIES, INC.

Sample Receipt Checklist

Weck WKO: **4E30037**
WKO Logged by: Jerico Bolotano
Samples Checked by: Jerico Bolotano

Date/Time Received: 05/30/24 @ 12:01
# of Samples: 06
Delivered by: Client

	Task	Yes	No	N/A	Comments
COC	COC present at receipt?	☒	☐		
	COC properly completed?	☒	☐		
	COC matches sample labels?	☒	☐		
	Project Manager notified about COC discrepancy?	☐	☐	☒	
Receipt Information	Sample Temperature	8.2°C			
	Samples received on ice?	☒	☐		
	Ice Type (Blue/Wet)	Wet			
	All samples intact?	☒	☐		
	Samples in proper containers?	☒	☐		
	Sufficient sample volume?	☒	☐		
	Samples intact?	☒	☐		
	Received within holding time?	☒	☐		
	Project Manager notified?	☐	☐	☒	
Sample Preservation Verification?	Sample labels checked for correct preservation?	☒	☐	☐	
	VOC Headspace: (No) none, If Yes (See comment) 524.2, 524.3, 624.1, 8260, 1666 P/T, LUFT	☐	☐	☒	☐ <6mm/Pea size?
	pH verified upon receipt? Metals <2; H2SO4 pres tests <2; 522<4; TOC <2; 508.1, 525.2<2; 6710B<2; 608.3 5-9	☐	☐	☒	pH paper Lot#
	Free Chlorine Tested <0.1 (Organic Analyses)	☐	☐	☒	Cl Test Strip Lot#
	O&G pH <2 verified?	☐	☐	☐	pH paper Lot# / pH Reading:
	pH adjusted for O&G	☐	☐	☐	Acid Lot# / Amt added:
	Project Manager notified about sample preservation?	☐	☐	☒	

PM Comments

Sample Receipt Checklist Prepared by:

Signature: Jerico Bolotano Date: 05/30/24

ORION

Chain of Custody Record

Job # #2405226

OBSERV. TEMP: 2.2 °C
CORREC. TEMP: 1.8 °C
THERMO ID: 66 BY: ____

2955 Redondo Avenue
Long Beach, CA 90806
Phone: 562-988-2755
Fax: 562-988-2759

Project No:	Project Name:	Phone:	Fax:
72NB1	3100 Irvine Ave., Newport Beach, CA		
Project Manager:			
Adair Johnson	562-787-1044		
Client Name: (Report and Billing) Orion Environmental	**Address:** (Report and Billing) 2955 Redondo Ave Long Beach CA 90806		

Please Circle Analyses Requested

Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	8015M: Diesel, Fuel Screen, Carbon Chain	8015M: Gas only	VOCs by 8260B	PFAS by 1633 533/537		VOCs and TPHg by 5035 (Terra Cores)		Metals: Title 22 (CAM) and Mercury 6020/7471A	Organochlorine Pesticides EPA 8081	Herbicides EPA 8151					Remarks/Special Instructions
SB-19-1	5/28/24	840	Soil		1 poly				X											
SB-19-3		845			1 Poly				X											HOLD
SB-17-1		1145			1 Poly				X											
SB-17-3		1148			1 Poly				X											HOLD
SB-18-1		1157			1 Poly				X											
SB-18-3		1202	↓		1 Poly				X											HOLD

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☒ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: _____

1) Relinquished by: (Sampler's Signature)	Date:	Time:	3) Relinquished by:	Date:	Time:
Haley Fernandez	5/29/24	1005			
2) Received by:	Date:	Time:	4) Received by:	Date:	Time:
	5/29/24	1105			
			5) Relinquished by:	Date:	Time:
			6) Received for Laboratory by:	Date:	Time:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☒ Lab disposal

Laboratory Notes:

Sample Locator No.

OBSERV. TEMP: 1.7 °C
CORREC. TEMP: 1.7 °C
THERMO ID: 66 BY: LL

Arrived at the lab 5/29/24 1052

POSITIVE LAB SERVICE

781 East Washington Blvd.
Los Angeles, CA 90021
213.745.5312 Phone
213.745.6372 Fax

June 12, 2024

Case Narrative

Client: Orion Environmental, Inc.
Project Name: 72NBI – 3100 Irvine Ave, Newport Beach CA
Report Number: 2405242

Four soils were received by a Positive Lab Service representative on May 30, 2024. The samples were collected on May 28, 2024, and were analyzed for Pesticides (EPA 8081A), CAM Metals (EPA 6020/7471A) and Herbicides (EPA 8151) per submitted Orion Chain of Custody. The temperature of the cooler was 1.4 degrees Celsius upon receipt.

The holding time and analytical acceptance criteria were met for the above-mentioned sample(s) with the following exception(s).

Pesticides
Initial Continuing Calibration Verification (06/07/24 pm) - The %D for Heptachlor (-15.3%), DDT (-24.5) and Methoxychlor (-20.7) in the CCV was below the acceptance level of +/- 15% with an average %D of 13.5% for the method target analytes. The method blank and LCS were associated with this standard.

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

June 12, 2024

Adair Johnson
Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Report No.: 2405242
Project Name: 72NBI - 3100 Irvine Ave, Newport Beach CA

Dear Adair Johnson,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 30, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/12/24
Submitted: 05/30/24
PLS Report No.: 2405242

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-3-1 Soil (2405242-01) Sampled: 05/28/24 13:50 Received: 05/30/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
4,4´-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
4,4´-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*74.4 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*06/04/24*	*06/10/24*	*tn*	*BF40625*
Surrogate: Decachlorobiphenyl	*70.8 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*06/04/24*	*06/10/24*	*tn*	*BF40625*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Vanadium	**36.3**		10	mg/kg	2.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Chromium	**18.4**		10	mg/kg	2.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Cobalt	**6.23**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Nickel	**13.0**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Copper	**19.3**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Zinc	**61.3**		10	mg/kg	10.0	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Arsenic	**4.71**		10	mg/kg	2.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Selenium	ND		10	mg/kg	2.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Molybdenum	**1.61**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Silver	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Cadmium	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Antimony	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Barium	**88.6**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Thallium	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Lead	**12.7**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	06/04/24	06/04/24	jks	BF40502

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4-D	See Attachment										

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/12/24
Submitted: 05/30/24
PLS Report No.: 2405242

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-3-1 Soil (2405242-01) Sampled: 05/28/24 13:50 Received: 05/30/24

2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-4-1 Soil (2405242-02) Sampled: 05/28/24 14:00 Received: 05/30/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
4,4´-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
4,4´-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	06/04/24	06/10/24	tn	BF40625
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*69.4 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*06/04/24*	*06/10/24*	*tn*	*BF40625*
Surrogate: Decachlorobiphenyl	*45.7 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*06/04/24*	*06/10/24*	*tn*	*BF40625*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Vanadium	**24.8**		10	mg/kg	2.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Chromium	**12.4**		10	mg/kg	2.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Cobalt	**5.10**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Nickel	**8.73**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Copper	**10.2**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Zinc	**31.3**		10	mg/kg	10.0	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Arsenic	**2.30**		10	mg/kg	2.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Selenium	ND		10	mg/kg	2.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Molybdenum	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Silver	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Cadmium	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Antimony	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Barium	**86.7**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Thallium	ND		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304
Lead	**6.38**		10	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/05/24	ra	BF40304

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/12/24
Submitted: 05/30/24
PLS Report No.: 2405242

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-4-1 Soil (2405242-02) Sampled: 05/28/24 14:00 Received: 05/30/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	06/04/24	06/04/24	jks	BF40502

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
2,4-D	See Attachment									
2,4,5-TP (Silvex)	See Attachment									
EPA 8151A Herbicides	See Attachment									

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/12/24
Submitted: 05/30/24
PLS Report No.: 2405242

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF40625 - EPA 3550C										
Blank	**Prepared: 06/04/24 Analyzed: 06/07/24**									
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4´-DDD	ND	2.00	ug/kg							
4,4´-DDE	ND	4.00	ug/kg							
4,4´-DDT	ND	4.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	5.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	5.00	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*5.09*		ug/kg	*7.500*		*67.8*	*46-133*			
Surrogate: Decachlorobiphenyl	*3.12*		ug/kg	*7.500*		*41.5*	*45-155*			
LCS	**Prepared: 06/04/24 Analyzed: 06/07/24**									
Aldrin	6.24	2.00	ug/kg	10.00		62.4	49-153			
gamma-BHC (Lindane)	7.23	2.00	ug/kg	10.00		72.3	55-151			
4,4´-DDT	6.07	4.00	ug/kg	10.00		60.7	29-159			
Dieldrin	7.31	2.00	ug/kg	10.00		73.1	57-158			
Endrin	7.32	2.00	ug/kg	10.00		73.2	58-159			
Heptachlor	8.20	2.00	ug/kg	10.00		82.0	74-154			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*4.73*		ug/kg	*7.500*		*63.0*	*46-145*			
Surrogate: Decachlorobiphenyl	*3.15*		ug/kg	*7.500*		*42.0*	*35-152*			
Matrix Spike Source: 2405251-02	**Prepared: 06/04/24 Analyzed: 06/07/24**									
Aldrin	6.59	4.00	ug/kg	12.50	ND	52.7	55-149			
gamma-BHC (Lindane)	6.92	4.00	ug/kg	12.50	ND	55.4	41-158			
4,4´-DDT	14.7	8.00	ug/kg	25.00	ND	58.9	38-156			
Dieldrin	16.0	4.00	ug/kg	25.00	ND	63.8	42-164			
Endrin	19.2	4.00	ug/kg	25.00	ND	76.8	41-184			

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/12/24
Submitted: 05/30/24
PLS Report No.: 2405242

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF40625 - EPA 3550C										
Heptachlor	12.8	4.00	ug/kg	12.50	ND	103	50-162			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*4.21*		ug/kg	*7.500*		*56.2*	*45-133*			
Surrogate: Decachlorobiphenyl	*3.11*		ug/kg	*7.500*		*41.5*	*42-159*			
Matrix Spike Dup **Source: 2405251-02**	**Prepared: 06/04/24 Analyzed: 06/07/24**									
Aldrin	6.97	4.00	ug/kg	12.50	ND	55.8	55-149	5.66	30	
gamma-BHC (Lindane)	7.38	4.00	ug/kg	12.50	ND	59.0	41-158	6.37	30	
4,4'-DDT	15.1	8.00	ug/kg	25.00	ND	60.3	38-156	2.35	30	
Dieldrin	16.6	4.00	ug/kg	25.00	ND	66.6	42-164	4.22	30	
Endrin	20.0	4.00	ug/kg	25.00	ND	80.1	41-184	4.18	30	
Heptachlor	12.5	4.00	ug/kg	12.50	ND	100	50-162	2.49	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*4.19*		ug/kg	*7.500*		*55.9*	*45-133*			
Surrogate: Decachlorobiphenyl	*3.05*		ug/kg	*7.500*		*40.7*	*42-159*			
Batch BF40304 - EPA 3050B										
Blank	**Prepared: 05/31/24 Analyzed: 06/05/24**									
Beryllium	ND	0.100	mg/kg							
Vanadium	ND	0.200	mg/kg							
Chromium	ND	0.200	mg/kg							
Cobalt	ND	0.100	mg/kg							
Nickel	ND	0.100	mg/kg							
Copper	ND	0.100	mg/kg							
Zinc	ND	1.00	mg/kg							
Arsenic	ND	0.200	mg/kg							
Selenium	ND	0.200	mg/kg							
Molybdenum	ND	0.100	mg/kg							
Silver	ND	0.100	mg/kg							
Cadmium	ND	0.100	mg/kg							
Antimony	ND	0.100	mg/kg							
Barium	ND	0.100	mg/kg							
Thallium	ND	0.100	mg/kg							
Lead	ND	0.100	mg/kg							
LCS	**Prepared: 05/31/24 Analyzed: 06/05/24**									
Beryllium	53.8	0.100	mg/kg	50.00		108	80-120			
Vanadium	55.8	0.200	mg/kg	50.00		112	80-120			
Chromium	53.6	0.200	mg/kg	50.00		107	80-120			
Cobalt	52.1	0.100	mg/kg	50.00		104	80-120			
Nickel	51.2	0.100	mg/kg	50.00		102	80-120			
Copper	51.9	0.100	mg/kg	50.00		104	80-120			
Zinc	51.4	1.00	mg/kg	50.00		103	80-120			
Arsenic	50.6	0.200	mg/kg	50.00		101	80-120			

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/12/24
Submitted: 05/30/24
PLS Report No.: 2405242

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF40304 - EPA 3050B										
Selenium	50.2	0.200	mg/kg	50.00		100	80-120			
Molybdenum	45.7	0.100	mg/kg	50.00		91.4	80-120			
Silver	54.0	0.100	mg/kg	49.75		108	80-120			
Cadmium	47.2	0.100	mg/kg	50.00		94.3	80-120			
Antimony	45.1	0.100	mg/kg	50.00		90.2	60-140			
Barium	50.1	0.100	mg/kg	50.00		100	80-120			
Thallium	52.7	0.100	mg/kg	50.00		105	80-120			
Lead	45.5	0.100	mg/kg	50.00		91.0	80-120			
LCS Dup	**Prepared: 05/31/24 Analyzed: 06/05/24**									
Beryllium	54.2	0.100	mg/kg	50.00		108	80-120	0.722	25	
Vanadium	56.0	0.200	mg/kg	50.00		112	80-120	0.340	25	
Chromium	54.4	0.200	mg/kg	50.00		109	80-120	1.46	25	
Cobalt	52.4	0.100	mg/kg	50.00		105	80-120	0.459	25	
Nickel	51.6	0.100	mg/kg	50.00		103	80-120	0.778	25	
Copper	52.6	0.100	mg/kg	50.00		105	80-120	1.40	25	
Zinc	51.8	1.00	mg/kg	50.00		104	80-120	0.853	25	
Arsenic	51.5	0.200	mg/kg	50.00		103	80-120	1.65	25	
Selenium	51.5	0.200	mg/kg	50.00		103	80-120	2.65	25	
Molybdenum	49.0	0.100	mg/kg	50.00		98.1	80-120	7.01	25	
Silver	54.4	0.100	mg/kg	49.75		109	80-120	0.867	25	
Cadmium	48.0	0.100	mg/kg	50.00		95.9	80-120	1.66	25	
Antimony	46.0	0.100	mg/kg	50.00		92.1	60-140	2.06	25	
Barium	50.2	0.100	mg/kg	50.00		100	80-120	0.120	25	
Thallium	52.9	0.100	mg/kg	50.00		106	80-120	0.322	25	
Lead	45.6	0.100	mg/kg	50.00		91.1	80-120	0.110	25	
Duplicate **Source: 2405225-01**	**Prepared: 05/31/24 Analyzed: 06/05/24**									
Beryllium	0.535	0.100	mg/kg		0.517			3.54	30	
Vanadium	32.6	0.200	mg/kg		32.3			1.03	30	
Chromium	14.1	0.200	mg/kg		14.0			1.15	30	
Cobalt	6.58	0.100	mg/kg		6.51			1.10	30	
Nickel	10.8	0.100	mg/kg		10.6			2.14	30	
Copper	12.4	0.100	mg/kg		12.3			1.22	30	
Zinc	36.7	1.00	mg/kg		36.5			0.604	30	
Arsenic	3.13	0.200	mg/kg		3.28			4.93	30	
Selenium	1.34	0.200	mg/kg		1.56			14.5	30	
Molybdenum	2.35	0.100	mg/kg		3.28			33.0	30	V-2
Silver	0.0727	0.100	mg/kg		0.0927			24.2	30	
Cadmium	0.226	0.100	mg/kg		0.248			9.34	30	
Antimony	0.0704	0.100	mg/kg		0.0807			13.6	30	
Barium	74.3	0.100	mg/kg		71.8			3.37	30	

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/12/24
Submitted: 05/30/24
PLS Report No.: 2405242

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF40304 - EPA 3050B										
Thallium	0.192	0.100	mg/kg		0.209			8.57	30	
Lead	5.95	0.100	mg/kg		5.93			0.354	30	
Matrix Spike **Source: 2405225-01**	**Prepared: 05/31/24 Analyzed: 06/05/24**									
Beryllium	49.4	0.100	mg/kg	50.00	0.517	97.9	75-125			
Vanadium	73.7	0.200	mg/kg	50.00	32.3	82.8	75-125			
Chromium	56.2	0.200	mg/kg	50.00	14.0	84.3	75-125			
Cobalt	49.4	0.100	mg/kg	50.00	6.51	85.8	75-125			
Nickel	52.2	0.100	mg/kg	50.00	10.6	83.1	75-125			
Copper	53.4	0.100	mg/kg	50.00	12.3	82.3	75-125			
Zinc	76.9	1.00	mg/kg	50.00	36.5	80.8	75-125			
Arsenic	52.6	0.200	mg/kg	50.00	3.28	98.6	75-125			
Selenium	47.5	0.200	mg/kg	50.00	1.56	91.9	75-125			
Molybdenum	56.3	0.100	mg/kg	50.00	3.28	106	75-125			
Silver	52.4	0.100	mg/kg	49.75	0.0927	105	75-125			
Cadmium	45.3	0.100	mg/kg	50.00	0.248	90.1	75-125			
Antimony	44.8	0.100	mg/kg	50.00	0.0807	89.5	60-140			
Barium	132	0.100	mg/kg	50.00	71.8	121	75-125			
Thallium	50.0	0.100	mg/kg	50.00	0.209	99.5	75-125			
Lead	55.3	0.100	mg/kg	50.00	5.93	98.7	75-125			
Matrix Spike Dup **Source: 2405225-01**	**Prepared: 05/31/24 Analyzed: 06/05/24**									
Beryllium	50.0	0.100	mg/kg	50.00	0.517	98.9	75-125	1.08	30	
Vanadium	73.0	0.200	mg/kg	50.00	32.3	81.4	75-125	1.66	30	
Chromium	55.7	0.200	mg/kg	50.00	14.0	83.5	75-125	1.05	30	
Cobalt	49.0	0.100	mg/kg	50.00	6.51	84.9	75-125	1.10	30	
Nickel	52.1	0.100	mg/kg	50.00	10.6	83.0	75-125	0.147	30	
Copper	52.7	0.100	mg/kg	50.00	12.3	80.9	75-125	1.68	30	
Zinc	77.1	1.00	mg/kg	50.00	36.5	81.2	75-125	0.568	30	
Arsenic	51.5	0.200	mg/kg	50.00	3.28	96.4	75-125	2.30	30	
Selenium	47.4	0.200	mg/kg	50.00	1.56	91.6	75-125	0.327	30	
Molybdenum	55.8	0.100	mg/kg	50.00	3.28	105	75-125	0.853	30	
Silver	52.4	0.100	mg/kg	49.75	0.0927	105	75-125	0.0573	30	
Cadmium	45.3	0.100	mg/kg	50.00	0.248	90.1	75-125	0.00665	30	
Antimony	43.9	0.100	mg/kg	50.00	0.0807	87.6	60-140	2.10	30	
Barium	134	0.100	mg/kg	50.00	71.8	124	75-125	1.96	30	
Thallium	49.5	0.100	mg/kg	50.00	0.209	98.6	75-125	0.949	30	
Lead	55.4	0.100	mg/kg	50.00	5.93	98.8	75-125	0.182	30	
Batch BF40502 - EPA 7471A										
Blank	**Prepared & Analyzed: 06/04/24**									
Mercury	ND	0.100	mg/kg							

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/12/24
Submitted: 05/30/24
PLS Report No.: 2405242

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF40502 - EPA 7471A										
LCS	**Prepared & Analyzed: 06/04/24**									
Mercury	0.740	0.100	mg/kg	0.8275		89.5	80-120			
Matrix Spike **Source: 2406005-06**	**Prepared & Analyzed: 06/04/24**									
Mercury	0.786	0.100	mg/kg	0.8275	ND	95.0	75-125			
Matrix Spike Dup **Source: 2406005-06**	**Prepared & Analyzed: 06/04/24**									
Mercury	0.773	0.100	mg/kg	0.8275	ND	93.4	75-125	1.70	25	

Notes and Definitions

V-2	Out-of-Range recovery was due to sample Heterogeneity.
NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Authorized Signature(s)

ORION

Chain of Custody Record

Positive Lab

Job # #2405242

2955 Redondo Avenue
Long Beach, CA 90806
Phone: 562-988-2755
Fax: 562-988-2759

Project No:	Project Name:	
72NB1	Newport Beach Irvine	
Project Manager:	**Phone:**	**Fax:**
Adair Johnson		
Client Name: (Report and Billing)	**Address:** (Report and Billing)	
Orion Environmental	2955 Redondo Ave	

Please Circle Analyses Requested

Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	8015M: Diesel, Fuel Screen, Carbon Chain	8015M: Gas only	VOCs by 8260B	PFAS by 1633		VOCs and TPHg by 5035 (Terra Cores)		Metals: Title 22 (CAM) and Mercury 6020/7471A	Organochlorine Pesticides EPA 8081	Herbicides EPA 8151					Remarks/Special Instructions
SB-3-1	5/28/24	1350	Soil		1								X	X	X					
SB-3-3		1355			1								X	X	X					on hold
SB-4-1		1400			1								X	X	X					
SB-4-3		1405			1								X	X	X					on hold

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☒ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: _____

1) Relinquished by: (Sampler's Signature)	Date: 5/30/24	Time: 1015	3) Relinquished by:	Date:	Time:
2) Received by:	Date: 5/30/24	Time: 1015	4) Received by:	Date:	Time:
			5) Relinquished by:	Date:	Time:
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.			6) Received for Laboratory by:	Date:	Time:

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☒ Lab disposal

Laboratory Notes:

OBSERV. TEMP: 0.4 °C
CORREC. TEMP: 1.4 °C
THERMOID: 6 BY: _____

Sample Locator No.

Arrived at the lab 5/30/24 1100

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: June 6, 2024

Ms. Lupe Tanaka
Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

Project: **2405242 / P.O.# 20472**
Lab I.D.: **240531-7, -8**

Dear Ms. Tanaka:

The **analytical results** for the soil samples, received by our lab on May 31, 2024, are attached. The samples were received chilled, intact and accompanying chain of custody record.

The samples were received at four degree Celsius

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Pearl Wong
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDF File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel: (213) 745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405242 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **SB-3-1**

LAB I.D.: 240531-7

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel: (213) 745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405242 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **SB-4-1**
LAB I.D.: 240531-8

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405242 / P.O.# 20472**

MATRIX:SOIL
DATE SAMPLED:05/28/24
REPORT TO:MS. LUPE TANAKA

DATE RECEIVED:05/31/24
DATE EXTRACTED:06/03-04/24
DATE ANALYZED:06/04/24
DATE REPORTED:06/06/24

METHOD BLANK REPORT FOR LAB I.D.: 240531-7, -8

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report
Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid** Date Analyzed: 6/4~5/2024
Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 240604-LCS1/2

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0.000	0.050	0.066	**132%**	0.060	**120%**	**10%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.050	0.054	**108%**	70-130
2,4,5-TP	0.050	0.058	**116%**	70-130
Dinoseb	0.250	0.199	**80%**	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	240531-7	240531-8	240531-9	240531-10	240531-11	240531-12
DCAA	50-150	74%	85%	90%	81%	83%	82%	77%

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		240531-13	240531-14	240531-15	240531-16	240531-17	240531-18	240531-19
DCAA	50-150	126%	112%	100%	86%	141%	54%	52%

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		240531-20	240531-21	240531-22	240531-23	240531-24	240531-25	
DCAA	50-150	55%	52%	55%	57%	52%	55%	

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

126612

POSITIVE LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

DATE: _____ PAGE 1 OF 1

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

AIRBILL NO: _____

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: PLS Project Name/No. 2405242 P.O. NO. 2472

OBSERV. TEMP: 4°C

CORREC. TEMP: _____

THERMO ID: _____

ADDRESS:

ANALYSES REQUESTED:

PRESERVATIVE:

PROJECT MANAGER: LUPE TANAKA PHONE NO: 213.745.5312 FAX NO:

SAMPLER NAME: (Printed) (Signature)

REMARKS:

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	EPA 515.1A Herbicides							SAMPLE CONDITION/ CONTAINER /COMMENTS:
1	240531-7	5/28/24	13:50	SB-3-1		X			N	1	G	X							240531-7
2	-8	5/28/24	14:00	SB-4-1		X			N	1	G	X							-8
3																			
4											4oz								
5											jars								
6																			
7																			
8																			
9																			
10																			

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: 5/31/24 Time: 0900

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:

1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days

By _____ Date _____

PRESERVATIVE: 1-HNO_3, 2-H_2SO_4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH_4 Buffer, 7-Other

LAB COPY

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

June 13, 2024

Adair Johnson
Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Report No.: 2405225
Project Name: 72NBI - 3100 Irvine Ave, Newport Beach CA

Dear Adair Johnson,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 29, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: CB-10-15-1 Soil (2405225-01) Sampled: 05/28/24 10:00 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4´-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4´-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*73.6 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*51.1 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.517**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**32.3**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**14.0**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**6.51**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**10.6**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**12.3**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**36.5**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**3.28**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**1.56**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**3.28**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.248**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**71.8**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	**0.209**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**5.93**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: CB-10-15-1 Soil (2405225-01) Sampled: 05/28/24 10:00 Received: 05/29/24

EPA 8151A Herbicides — See Attachment

Sample ID: SB-13-1 Soil (2405225-02) Sampled: 05/28/24 10:25 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*78.7 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*63.0 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.103**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**9.90**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**7.69**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**1.82**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**3.89**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**7.23**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**31.5**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**1.33**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.870**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**1.12**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.221**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	**0.104**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**27.4**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**3.52**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.107**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-13-1 Soil (2405225-02) Sampled: 05/28/24 10:25 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-14-1 Soil (2405225-03) Sampled: 05/28/24 10:25 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4´-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4´-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*75.3 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*61.4 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.132**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**13.5**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**5.86**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**1.93**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**4.78**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**6.86**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**26.6**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**1.22**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.641**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**0.818**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.126**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**19.2**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-14-1 Soil (2405225-03) Sampled: 05/28/24 10:25 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Lead	**2.23**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: CB-1-3-1 Soil (2405225-04) Sampled: 05/28/24 11:20 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*61.7 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*43.4 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.479**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**38.0**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**13.4**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**4.94**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**9.48**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**12.2**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**32.0**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**6.94**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.886**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**6.63**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.294**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: CB-1-3-1 Soil (2405225-04) Sampled: 05/28/24 11:20 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**104**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	**0.142**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**9.12**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-11-1 Soil (2405225-05) Sampled: 05/28/24 11:35 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*65.2 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*40.3 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.467**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**37.1**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**13.7**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**4.93**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**10.4**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**16.8**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**45.7**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**9.09**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**1.11**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-11-1 Soil (2405225-05) Sampled: 05/28/24 11:35 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Molybdenum	**10.0**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.406**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**125**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	**0.124**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**12.3**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-12-1 Soil (2405225-06) Sampled: 05/28/24 11:45 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*67.3 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*40.8 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.441**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**32.6**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**11.8**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**4.47**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**8.80**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**11.8**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-12-1 Soil (2405225-06) Sampled: 05/28/24 11:45 Received: 05/29/24

Zinc	**33.2**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**6.92**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.917**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**5.23**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.247**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**90.2**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	**0.119**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**14.6**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: CB-4-6-1 Soil (2405225-07) Sampled: 05/28/24 12:45 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*75.1 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*48.5 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.438**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**26.6**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**12.2**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: CB-4-6-1 Soil (2405225-07) Sampled: 05/28/24 12:45 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Cobalt	**5.18**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**8.45**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**10.0**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**29.6**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**2.86**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.674**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**1.32**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.137**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**70.2**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	**0.144**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**6.66**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-8-1 Soil (2405225-08) Sampled: 05/28/24 13:10 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDE	**9.26**		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*72.1 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*45.0 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-8-1 Soil (2405225-08) Sampled: 05/28/24 13:10 Received: 05/29/24

Beryllium	**0.466**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**31.0**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**15.3**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**6.50**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**10.8**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**12.9**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**46.6**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**3.24**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.577**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**1.07**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.177**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**93.3**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	**0.176**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**9.53**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-7-1 Soil (2405225-09) Sampled: 05/28/24 13:30 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-7-1 Soil (2405225-09) Sampled: 05/28/24 13:30 Received: 05/29/24

Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*81.0 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*48.4 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.702**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**43.2**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**20.6**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**8.91**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**14.1**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**15.3**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**53.2**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**7.54**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**1.38**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**1.46**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	**0.103**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.303**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	**0.104**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**111**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	**0.229**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**14.0**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: CB-7-9-1 Soil (2405225-10) Sampled: 05/28/24 14:25 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: CB-7-9-1 Soil (2405225-10) Sampled: 05/28/24 14:25 Received: 05/29/24

Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*74.3 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*44.7 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.276**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**18.2**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**8.97**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**3.43**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**5.28**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**6.92**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**20.9**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**1.59**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.619**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**0.719**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.128**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**46.6**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**5.70**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: CB-16-20-1 Soil (2405225-11) Sampled: 05/28/24 13:20 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: CB-16-20-1 Soil (2405225-11) Sampled: 05/28/24 13:20 Received: 05/29/24

Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Surrogate: 2,4,5,6-Tetrachloro-m-xyler.	*79.7 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*44.5 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.441**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**28.0**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**12.6**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**5.16**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**8.59**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**8.21**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**40.7**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**3.10**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.644**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**1.02**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.206**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**72.8**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	**0.158**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**13.6**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-1-1 Soil (2405225-12) Sampled: 05/28/24 11:40 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-1-1 Soil (2405225-12) Sampled: 05/28/24 11:40 Received: 05/29/24

Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*80.2 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*82.1 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.135**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**13.4**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**8.47**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**3.27**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**5.94**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**14.9**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**41.0**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**2.88**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.598**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**0.582**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	**0.199**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.219**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	**0.172**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**54.7**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**4.24**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-5-1 Soil (2405225-13) Sampled: 05/28/24 11:20 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4´-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4´-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-5-1 Soil (2405225-13) Sampled: 05/28/24 11:20 Received: 05/29/24

Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/10/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*103 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*71.7 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/10/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.154**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**17.0**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**7.17**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**2.69**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**7.02**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**8.34**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**28.7**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**1.65**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.475**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**0.486**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.138**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**32.0**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**2.73**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-2-1 Soil (2405225-14) Sampled: 05/28/24 11:30 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-2-1 Soil (2405225-14) Sampled: 05/28/24 11:30 Received: 05/29/24

4,4´-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*112 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*71.0 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.174**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**16.1**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**6.89**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**2.73**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**5.96**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**8.42**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**28.9**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**2.24**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.503**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**0.561**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.216**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	**0.125**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**25.2**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**3.89**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.148**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-6-1 Soil (2405225-15) Sampled: 05/28/24 11:05 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-6-1 Soil (2405225-15) Sampled: 05/28/24 11:05 Received: 05/29/24

gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*113 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*63.6 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.176**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**16.6**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**8.09**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**2.51**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**6.52**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**9.27**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**32.2**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**2.17**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.528**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**0.526**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.192**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**29.2**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**3.51**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-10-1 Soil (2405225-16) Sampled: 05/28/24 10:45 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-10-1 Soil (2405225-16) Sampled: 05/28/24 10:45 Received: 05/29/24

alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*74.1 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*58.5 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.175**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**18.1**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**10.2**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**2.59**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**6.96**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**11.6**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**36.8**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**1.87**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**0.542**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**0.460**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.181**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**31.8**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**4.04**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										
EPA 8151A Herbicides	See Attachment										

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-9-1 Soil (2405225-17) Sampled: 05/28/24 10:55 Received: 05/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
alpha-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDD	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDE	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Dieldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Endrin ketone	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Methoxychlor	ND		1	ug/kg	10.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	05/30/24	06/11/24	tn	BF41101
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*101 %*			*46-133*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*
Surrogate: Decachlorobiphenyl	*73.2 %*			*45-155*		*EPA 3550C*	*EPA 8081A*	*05/30/24*	*06/11/24*	*tn*	*BF41101*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Beryllium	**0.346**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Vanadium	**31.0**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Chromium	**14.9**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cobalt	**4.24**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Nickel	**11.7**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Copper	**22.7**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Zinc	**64.1**		1	mg/kg	1.00	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Arsenic	**3.94**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Selenium	**1.28**		1	mg/kg	0.200	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Molybdenum	**0.835**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Silver	**0.114**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Cadmium	**0.355**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Antimony	**0.141**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Barium	**52.3**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Thallium	ND		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304
Lead	**7.00**		1	mg/kg	0.100	EPA 3050B	EPA 6020	05/31/24	06/03/24	ra	BF40304

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/30/24	05/31/24	jks	BE43110

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
2,4,5-TP (Silvex)	See Attachment										

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Sample ID: SB-9-1 Soil (2405225-17) Sampled: 05/28/24 10:55 Received: 05/29/24

EPA 8151A Herbicides	See Attachment

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF41101 - EPA 3550C										
Blank	**Prepared: 05/30/24 Analyzed: 06/10/24**									
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4´-DDD	ND	2.00	ug/kg							
4,4´-DDE	ND	4.00	ug/kg							
4,4´-DDT	ND	4.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	5.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	5.00	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*4.42*		ug/kg	*7.500*		*58.9*	*46-133*			
Surrogate: Decachlorobiphenyl	*3.38*		ug/kg	*7.500*		*45.0*	*45-155*			
LCS	**Prepared: 05/30/24 Analyzed: 06/10/24**									
Aldrin	7.28	2.00	ug/kg	10.00		72.8	49-153			
gamma-BHC (Lindane)	8.35	2.00	ug/kg	10.00		83.5	55-151			
4,4´-DDT	6.78	4.00	ug/kg	10.00		67.8	29-159			
Dieldrin	8.42	2.00	ug/kg	10.00		84.2	57-158			
Endrin	8.11	2.00	ug/kg	10.00		81.1	58-159			
Heptachlor	9.50	2.00	ug/kg	10.00		95.0	74-154			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*3.96*		ug/kg	*7.500*		*52.8*	*46-145*			
Surrogate: Decachlorobiphenyl	*3.51*		ug/kg	*7.500*		*46.8*	*35-152*			
Matrix Spike **Source: 2405225-13**	**Prepared: 05/30/24 Analyzed: 06/10/24**									
Aldrin	12.0	4.00	ug/kg	12.50	ND	96.0	55-149			
gamma-BHC (Lindane)	10.6	4.00	ug/kg	12.50	ND	84.7	41-158			
4,4´-DDT	18.8	8.00	ug/kg	25.00	ND	75.2	38-156			
Dieldrin	26.7	4.00	ug/kg	25.00	ND	107	42-164			
Endrin	25.5	4.00	ug/kg	25.00	ND	102	41-184			

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF41101 - EPA 3550C										
Heptachlor	11.5	4.00	ug/kg	12.50	ND	91.9	50-162			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*7.79*		ug/kg	*7.500*		*104*	*45-133*			
Surrogate: Decachlorobiphenyl	*4.21*		ug/kg	*7.500*		*56.1*	*42-159*			
Matrix Spike Dup Source: 2405225-13	**Prepared: 05/30/24 Analyzed: 06/10/24**									
Aldrin	11.9	4.00	ug/kg	12.50	ND	95.4	55-149	0.585	30	
gamma-BHC (Lindane)	10.9	4.00	ug/kg	12.50	ND	86.8	41-158	2.53	30	
4,4´-DDT	21.0	8.00	ug/kg	25.00	ND	84.1	38-156	11.2	30	
Dieldrin	27.5	4.00	ug/kg	25.00	ND	110	42-164	2.86	30	
Endrin	27.3	4.00	ug/kg	25.00	ND	109	41-184	6.72	30	
Heptachlor	11.9	4.00	ug/kg	12.50	ND	95.0	50-162	3.34	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*7.83*		ug/kg	*7.500*		*104*	*45-133*			
Surrogate: Decachlorobiphenyl	*5.46*		ug/kg	*7.500*		*72.9*	*42-159*			
Batch BF40304 - EPA 3050B										
Blank	**Prepared: 05/31/24 Analyzed: 06/03/24**									
Beryllium	ND	0.100	mg/kg							
Vanadium	ND	0.200	mg/kg							
Chromium	ND	0.200	mg/kg							
Cobalt	ND	0.100	mg/kg							
Nickel	ND	0.100	mg/kg							
Copper	ND	0.100	mg/kg							
Zinc	ND	1.00	mg/kg							
Arsenic	ND	0.200	mg/kg							
Selenium	ND	0.200	mg/kg							
Molybdenum	ND	0.100	mg/kg							
Silver	ND	0.100	mg/kg							
Cadmium	ND	0.100	mg/kg							
Antimony	ND	0.100	mg/kg							
Barium	ND	0.100	mg/kg							
Thallium	ND	0.100	mg/kg							
Lead	ND	0.100	mg/kg							
LCS	**Prepared: 05/31/24 Analyzed: 06/03/24**									
Beryllium	53.8	0.100	mg/kg	50.00		108	80-120			
Vanadium	55.8	0.200	mg/kg	50.00		112	80-120			
Chromium	53.6	0.200	mg/kg	50.00		107	80-120			
Cobalt	52.1	0.100	mg/kg	50.00		104	80-120			
Nickel	51.2	0.100	mg/kg	50.00		102	80-120			
Copper	51.9	0.100	mg/kg	50.00		104	80-120			
Zinc	51.4	1.00	mg/kg	50.00		103	80-120			
Arsenic	50.6	0.200	mg/kg	50.00		101	80-120			

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF40304 - EPA 3050B										
Selenium	50.2	0.200	mg/kg	50.00		100	80-120			
Molybdenum	45.7	0.100	mg/kg	50.00		91.4	80-120			
Silver	54.0	0.100	mg/kg	49.75		108	80-120			
Cadmium	47.2	0.100	mg/kg	50.00		94.3	80-120			
Antimony	45.1	0.100	mg/kg	50.00		90.2	60-140			
Barium	50.1	0.100	mg/kg	50.00		100	80-120			
Thallium	52.7	0.100	mg/kg	50.00		105	80-120			
Lead	45.5	0.100	mg/kg	50.00		91.0	80-120			
LCS Dup	**Prepared: 05/31/24 Analyzed: 06/03/24**									
Beryllium	54.2	0.100	mg/kg	50.00		108	80-120	0.722	25	
Vanadium	56.0	0.200	mg/kg	50.00		112	80-120	0.340	25	
Chromium	54.4	0.200	mg/kg	50.00		109	80-120	1.46	25	
Cobalt	52.4	0.100	mg/kg	50.00		105	80-120	0.459	25	
Nickel	51.6	0.100	mg/kg	50.00		103	80-120	0.778	25	
Copper	52.6	0.100	mg/kg	50.00		105	80-120	1.40	25	
Zinc	51.8	1.00	mg/kg	50.00		104	80-120	0.853	25	
Arsenic	51.5	0.200	mg/kg	50.00		103	80-120	1.65	25	
Selenium	51.5	0.200	mg/kg	50.00		103	80-120	2.65	25	
Molybdenum	49.0	0.100	mg/kg	50.00		98.1	80-120	7.01	25	
Silver	54.4	0.100	mg/kg	49.75		109	80-120	0.867	25	
Cadmium	48.0	0.100	mg/kg	50.00		95.9	80-120	1.66	25	
Antimony	46.0	0.100	mg/kg	50.00		92.1	60-140	2.06	25	
Barium	50.2	0.100	mg/kg	50.00		100	80-120	0.120	25	
Thallium	52.9	0.100	mg/kg	50.00		106	80-120	0.322	25	
Lead	45.6	0.100	mg/kg	50.00		91.1	80-120	0.110	25	
Duplicate **Source: 2405225-01**	**Prepared: 05/31/24 Analyzed: 06/03/24**									
Beryllium	0.535	0.100	mg/kg		0.517			3.54	30	
Vanadium	32.6	0.200	mg/kg		32.3			1.03	30	
Chromium	14.1	0.200	mg/kg		14.0			1.15	30	
Cobalt	6.58	0.100	mg/kg		6.51			1.10	30	
Nickel	10.8	0.100	mg/kg		10.6			2.14	30	
Copper	12.4	0.100	mg/kg		12.3			1.22	30	
Zinc	36.7	1.00	mg/kg		36.5			0.604	30	
Arsenic	3.13	0.200	mg/kg		3.28			4.93	30	
Selenium	1.34	0.200	mg/kg		1.56			14.5	30	
Molybdenum	2.35	0.100	mg/kg		3.28			33.0	30	V-2
Silver	0.0727	0.100	mg/kg		0.0927			24.2	30	
Cadmium	0.226	0.100	mg/kg		0.248			9.34	30	
Antimony	0.0704	0.100	mg/kg		0.0807			13.6	30	
Barium	74.3	0.100	mg/kg		71.8			3.37	30	

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF40304 - EPA 3050B										
Thallium	0.192	0.100	mg/kg		0.209			8.57	30	
Lead	5.95	0.100	mg/kg		5.93			0.354	30	
Matrix Spike **Source: 2405225-01**	**Prepared: 05/31/24 Analyzed: 06/03/24**									
Beryllium	49.4	0.100	mg/kg	50.00	0.517	97.9	75-125			
Vanadium	73.7	0.200	mg/kg	50.00	32.3	82.8	75-125			
Chromium	56.2	0.200	mg/kg	50.00	14.0	84.3	75-125			
Cobalt	49.4	0.100	mg/kg	50.00	6.51	85.8	75-125			
Nickel	52.2	0.100	mg/kg	50.00	10.6	83.1	75-125			
Copper	53.4	0.100	mg/kg	50.00	12.3	82.3	75-125			
Zinc	76.9	1.00	mg/kg	50.00	36.5	80.8	75-125			
Arsenic	52.6	0.200	mg/kg	50.00	3.28	98.6	75-125			
Selenium	47.5	0.200	mg/kg	50.00	1.56	91.9	75-125			
Molybdenum	56.3	0.100	mg/kg	50.00	3.28	106	75-125			
Silver	52.4	0.100	mg/kg	49.75	0.0927	105	75-125			
Cadmium	45.3	0.100	mg/kg	50.00	0.248	90.1	75-125			
Antimony	44.8	0.100	mg/kg	50.00	0.0807	89.5	60-140			
Barium	132	0.100	mg/kg	50.00	71.8	121	75-125			
Thallium	50.0	0.100	mg/kg	50.00	0.209	99.5	75-125			
Lead	55.3	0.100	mg/kg	50.00	5.93	98.7	75-125			
Matrix Spike Dup **Source: 2405225-01**	**Prepared: 05/31/24 Analyzed: 06/03/24**									
Beryllium	50.0	0.100	mg/kg	50.00	0.517	98.9	75-125	1.08	30	
Vanadium	73.0	0.200	mg/kg	50.00	32.3	81.4	75-125	1.66	30	
Chromium	55.7	0.200	mg/kg	50.00	14.0	83.5	75-125	1.05	30	
Cobalt	49.0	0.100	mg/kg	50.00	6.51	84.9	75-125	1.10	30	
Nickel	52.1	0.100	mg/kg	50.00	10.6	83.0	75-125	0.147	30	
Copper	52.7	0.100	mg/kg	50.00	12.3	80.9	75-125	1.68	30	
Zinc	77.1	1.00	mg/kg	50.00	36.5	81.2	75-125	0.568	30	
Arsenic	51.5	0.200	mg/kg	50.00	3.28	96.4	75-125	2.30	30	
Selenium	47.4	0.200	mg/kg	50.00	1.56	91.6	75-125	0.327	30	
Molybdenum	55.8	0.100	mg/kg	50.00	3.28	105	75-125	0.853	30	
Silver	52.4	0.100	mg/kg	49.75	0.0927	105	75-125	0.0573	30	
Cadmium	45.3	0.100	mg/kg	50.00	0.248	90.1	75-125	0.00665	30	
Antimony	43.9	0.100	mg/kg	50.00	0.0807	87.6	60-140	2.10	30	
Barium	134	0.100	mg/kg	50.00	71.8	124	75-125	1.96	30	
Thallium	49.5	0.100	mg/kg	50.00	0.209	98.6	75-125	0.949	30	
Lead	55.4	0.100	mg/kg	50.00	5.93	98.8	75-125	0.182	30	
Batch BE43110 - EPA 7471A										
Blank	**Prepared: 05/30/24 Analyzed: 05/31/24**									
Mercury	ND	0.100	mg/kg							

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

File #:73287
Report Date: 06/13/24
Submitted: 05/29/24
PLS Report No.: 2405225

Attn: Adair Johnson Phone: (562) 988-2755 FAX:(562) 988-2759

Project: 72NBI - 3100 Irvine Ave, Newport Beach CA

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE43110 - EPA 7471A										
LCS	**Prepared: 05/30/24 Analyzed: 05/31/24**									
Mercury	0.779	0.100	mg/kg	0.8275		94.2	80-120			
Matrix Spike **Source: 2405225-01**	**Prepared: 05/30/24 Analyzed: 05/31/24**									
Mercury	0.804	0.100	mg/kg	0.8275	ND	97.2	75-125			
Matrix Spike Dup **Source: 2405225-01**	**Prepared: 05/30/24 Analyzed: 05/31/24**									
Mercury	0.772	0.100	mg/kg	0.8275	ND	93.3	75-125	4.10	25	

Notes and Definitions

V-2	Out-of-Range recovery was due to sample Heterogeneity.
NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parlier

Authorized Signature(s)

ORION

Chain of Custody Record

Job # #2405225.01

OBSERV. TEMP: 2.4 °C
CORREC. TEMP: 3.6 °C
THERMO ID: 66 BY: ___

2955 Redondo Avenue
Long Beach, CA 90806
Phone: 562-988-2755
Fax: 562-988-2759

Project No:	Project Name:
72NB1	3100 Irvine Ave, Newport Beach, CA

Project Manager:	Phone:	Fax:
Adair Johnson	562-787-0144	

Client Name: (Report and Billing)	Address: (Report and Billing)
Orion Environmental	2955 Redondo Ave. Long Beach, CA 90806

Please Circle Analyses Requested

Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	8015M: Diesel, Fuel Screen, Carbon Chain	8015M: Gas only	VOCs by 8260B	PFAS by 1633	VOCs and TPHg by 5035 (Terra Cores)	Metals: Title 22 (CAM) and Mercury 6020/7471A	Organochlorine Pesticides EPA 8081	Herbicides EPA 8151	Remarks/Special Instructions
CB-10-15-1	5/28/24	1000	Soil		1/glass						X	X	X	
CB-10-15-2	" "	1005			1/glass						X	X	X	hold
SB-13-1		1025									X	X	X	
SB-13-2		1035									X	X	X	hold
SB-14-1		1025									X	X	X	
SB-14-2		1035									X	X	X	hold
CB-1-3-1		1120									X	X	X	
CB-1-3-2		1125									X	X	X	hold
SB-11-1		1135									X	X	X	
SB-11-2		1140									X	X	X	hold

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☑ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: _____

1) Relinquished by: (Sampler's Signature)	Date:	Time:	3) Relinquished by:	Date:	Time:
Haley Fernandez	5/29/24	1005			
2) Received by:	Date:	Time:	4) Received by:	Date:	Time:
	5/29/24	1005			
			5) Relinquished by:	Date:	Time:
			6) Received for Laboratory by:	Date:	Time:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☑ Lab disposal

Laboratory Notes:

Sample Locator No.

OBSERV. TEMP: 0.7 °C
CORREC. TEMP: 1.7 °C
THERMO ID: 64 BY: ___

Arrived at the lab 5/29/24 1005

Chain of Custody Record

Job # #2405225.02

2955 Redondo Avenue
Long Beach, CA 90806
Phone: 562-988-2755
Fax: 562-988-2759

Project No: 72NB1

Project Name: 3100 Irvine Ave, Newport Beach, CA

Project Manager: Meghan Johnson

Phone: 562-787-0144

Fax:

Client Name: (Report and Billing) Orion Environmental

Address: (Report and Billing) 2955 Redondo Ave, Long Beach CA

Please Circle Analyses Requested

Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	8015M: Diesel, Fuel Screen, Carbon Chain	8015M: Gas only	VOCs by 8260B	PFAS by 1633		VOCs and TPHg by 5035 (Terra Cores)		Metals: Title 22 (CAM) and Mercury 6020/7471A	Organochlorine Pesticides EPA 8081	Herbicides EPA 8151					Remarks/Special Instructions
SB-12-1	5/28/24	1145	Soil		1/glass								X	X	X					
SB-12-2		1150											X	X	X					Hold
CB-4-6-1		1245											X	X	X					
CB-4-6-2		1255											X	X	X					hold
SB-8-1		1310											X	X	X					
SB-8-2		1320											X	X	X					hold
SB-7-1		1330											X	X	X					
SB-7-2		1340											X	X	X					hold
CB-7-9-1		1425											X	X	X					
CB-7-9-2		1435											X	X	X					hold

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☑ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: _____

1) Relinquished by: (Sampler's Signature) Haley Fernandez — Date: 5/29/24 Time: 1605

2) Received by: — Date: 5/29/24 Time: 1605

3) Relinquished by: — Date: Time:

4) Received by: — Date: Time:

5) Relinquished by: — Date: Time:

6) Received for Laboratory by: — Date: Time:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☑ Lab disposal

Laboratory Notes:

Sample Locator No.

OBSERV. TEMP: 0.7 °C
CORREC. TEMP: 1.7 °C
THERMO ID: 66 BY: AE

Arrived at the lab 5.29.24 1650

Chain of Custody Record

ORION

2955 Redondo Avenue
Long Beach, CA 90806
Phone: 562-988-2755
Fax: 562-988-2759

Job # #2405225.03

Project No:	Project Name:	
72NBI	3100 Irvine Ave Newport Beach CA	
Project Manager:	**Phone:**	**Fax:**
Adair Johnson	562-787-1044	
Client Name: (Report and Billing)	**Address:** (Report and Billing)	
Orion Environmental	2955 Redondo Ave Long Beach CA 90806	

Please Circle Analyses Requested

Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	8015M: Diesel, Fuel Screen, Carbon Chain	8015M: Gas only	VOCs by 8260B	PFAS by 1633		VOCs and TPHg by 5035 (Terra Cores)		Metals: Title 22 (CAM) and Mercury 6020/7471A	Organochlorine Pesticides EPA 8081	Herbicides EPA 8151	Remarks/Special Instructions
SB-2-3	5/28/24	1135	Soil		1/g glass								X	X	X	hold
SB-10-3		1050											X	X	X	hold
CB-16-20-1		1320											X	X	X	
SB-5-3		1125											X	X	X	hold
SB-1-1		1140											X	X	X	
SB-5-1		1120											X	X	X	
SB-2-1		1130											X	X	X	
SB-6-1		1105											X	X	X	
SB-1-3		1145											X	X	X	hold
SB-10-1		1045											X	X	X	

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☑ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: _____

1) Relinquished by: (Sampler's Signature) Haley Fernandez	Date: 5-29-24	Time: 1015	3) Relinquished by:	Date:	Time:
2) Received by:	Date: 5-29-24	Time: 1015	4) Received by:	Date:	Time:
			5) Relinquished by:	Date:	Time:
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.			6) Received for Laboratory by:	Date:	Time:

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☑ Lab disposal

Laboratory Notes:

Sample Locator No.

OBSERV. TEMP: 0.7 °C
CORREC. TEMP: 1.7 °C
THERMO ID: 64 BY: LL

Arrived at the lab 5-29-24/1050

Chain of Custody Record

Job # #2405225-04

Page 4 of 4

2955 Redondo Avenue
Long Beach, CA 90806
Phone: 562-988-2755
Fax: 562-988-2759

Project No:	Project Name:
72NBI	3100 Irvine Ave, Newport Beach CA
Project Manager:	**Phone:** / **Fax:**
Adair Johnsson	562-787-1044
Client Name: (Report and Billing)	**Address:** (Report and Billing)
Orion Environmental	2955 Redondo Ave Long Beach CA 90806

Please Circle Analyses Requested

Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	8015M: Diesel, Fuel Screen, Carbon Chain	8015M: Gas only	VOCs by 8260B	PFAS by 1633		VOCs and TPHg by 5035 (Terra Cores)		Metals: Title 22 (CAM) and Mercury 6020/7471A	Organochlorine Pesticides EPA 8081	Herbicides EPA 8151					Remarks/Special Instructions
CB-16-20-3	5/29/24	1315 1350	HF Soil		1/g glass								X	X	X					hold
SB-6-3	↓	1110	↓		↓								X	X	X					hold
SB-9-1		1055											X	X	X					
SB-9-3		1100											X	X	X					hold

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☑ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: _____

	Date:	Time:
1) Relinquished by: (Sampler's Signature) Haley Fernandez	5-29-24	1615
2) Received by:	5-29-24	1615
3) Relinquished by:	Date:	Time:
4) Received by:	Date:	Time:
5) Relinquished by:	Date:	Time:
6) Received for Laboratory by:	Date:	Time:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☑ Lab disposal

Laboratory Notes:

Sample Locator No.

OBSERV. TEMP: 0.7 °C
CORREC. TEMP: 1.7 °C
THERMO ID: 66 BY: bc

Arrived at the lab 5-29-24 1052

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: June 6, 2024

Ms. Lupe Tanaka
Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

Project: **2405225 / P.O.# 20472**
Lab I.D.: **240531-9 through -25**

Dear Ms. Tanaka:

The **analytical results** for the soil samples, received by our lab on May 31, 2024, are attached. The samples were received chilled, intact and accompanying chain of custody record.

The samples were received at four degree Celsius

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Pearl Wong
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDF File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel: (213) 745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **CB-10-15-1** LAB I.D.: 240531-9

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX:SOIL
DATE SAMPLED:05/28/24
REPORT TO:MS. LUPE TANAKA

DATE RECEIVED:05/31/24
DATE EXTRACTED:06/03-04/24
DATE ANALYZED:06/04/24
DATE REPORTED:06/06/24

SAMPLE I.D.: **SB-13-1**

LAB I.D.: 240531-10

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX:SOIL
DATE SAMPLED:05/28/24
REPORT TO:MS. LUPE TANAKA

DATE RECEIVED:05/31/24
DATE EXTRACTED:06/03-04/24
DATE ANALYZED:06/04/24
DATE REPORTED:06/06/24

SAMPLE I.D.: **SB-14-1**

LAB I.D.: 240531-11

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX:SOIL
DATE SAMPLED:05/28/24
REPORT TO:MS. LUPE TANAKA

DATE RECEIVED:05/31/24
DATE EXTRACTED:06/03-04/24
DATE ANALYZED:06/04/24
DATE REPORTED:06/06/24

SAMPLE I.D.: **CB-1-3-1** LAB I.D.: 240531-12

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloropacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel: (213) 745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **SB-11-1**
LAB I.D.: 240531-13

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel: (213) 745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **SB-12-1** LAB I.D.: 240531-14

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX:SOIL
DATE SAMPLED:05/28/24
REPORT TO:MS. LUPE TANAKA

DATE RECEIVED:05/31/24
DATE EXTRACTED:06/03-04/24
DATE ANALYZED:06/04/24
DATE REPORTED:06/06/24

SAMPLE I.D.: **CB-4-6-1**

LAB I.D.: 240531-15

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX:SOIL
DATE SAMPLED:05/28/24
REPORT TO:MS. LUPE TANAKA

DATE RECEIVED:05/31/24
DATE EXTRACTED:06/03-04/24
DATE ANALYZED:06/04/24
DATE REPORTED:06/06/24

SAMPLE I.D.: **SB-8-1**

LAB I.D.: 240531-16

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel: (213) 745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **SB-7-1**

LAB I.D.: 240531-17

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX:SOIL
DATE SAMPLED:05/28/24
REPORT TO:MS. LUPE TANAKA

DATE RECEIVED:05/31/24
DATE EXTRACTED:06/03-04/24
DATE ANALYZED:06/04/24
DATE REPORTED:06/06/24

SAMPLE I.D.: **CB-7-9-1** LAB I.D.: 240531-18

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel: (213) 745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **CB-16-20-1** LAB I.D.: 240531-19

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX:SOIL
DATE SAMPLED:05/28/24
REPORT TO:MS. LUPE TANAKA

DATE RECEIVED:05/31/24
DATE EXTRACTED:06/03-04/24
DATE ANALYZED:06/04/24
DATE REPORTED:06/06/24

SAMPLE I.D.: **SB-1-1**

LAB I.D.: 240531-20

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel: (213) 745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **SB-5-1**

LAB I.D.: 240531-21

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel: (213) 745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **SB-2-1**
LAB I.D.: 240531-22

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX:SOIL
DATE SAMPLED:05/28/24
REPORT TO:MS. LUPE TANAKA

DATE RECEIVED:05/31/24
DATE EXTRACTED:06/03-04/24
DATE ANALYZED:06/04/24
DATE REPORTED:06/06/24

SAMPLE I.D.: **SB-6-1** LAB I.D.: 240531-23

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **SB-10-1** LAB I.D.: 240531-24

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1553

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel: (213) 745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX: SOIL
DATE SAMPLED: 05/28/24
REPORT TO: MS. LUPE TANAKA

DATE RECEIVED: 05/31/24
DATE EXTRACTED: 06/03-04/24
DATE ANALYZED: 06/04/24
DATE REPORTED: 06/06/24

SAMPLE I.D.: **SB-9-1** LAB I.D.: 240531-25

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel:(213)745-5312 E-Mail: GTanaka@PositiveLabService.com

PROJECT: **2405225 / P.O.# 20472**

MATRIX:SOIL
DATE SAMPLED:05/28/24
REPORT TO:MS. LUPE TANAKA

DATE RECEIVED:05/31/24
DATE EXTRACTED:06/03-04/24
DATE ANALYZED:06/04/24
DATE REPORTED:06/06/24

METHOD BLANK REPORT FOR LAB I.D.: 240531-9 THROUGH -25

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid** Date Analyzed: 6/4~5/2024

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **240604-LCS1/2**

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0.000	0.050	0.066	**132%**	0.060	**120%**	**10%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.050	0.054	**108%**	70-130
2,4,5-TP	0.050	0.058	**116%**	70-130
Dinoseb	0.250	0.199	**80%**	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	240531-7	240531-8	240531-9	240531-10	240531-11	240531-12
DCAA	50-150	74%	85%	90%	81%	83%	82%	77%

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		240531-13	240531-14	240531-15	240531-16	240531-17	240531-18	240531-19
DCAA	50-150	126%	112%	100%	86%	141%	54%	52%

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		240531-20	240531-21	240531-22	240531-23	240531-24	240531-25	
DCAA	50-150	55%	52%	55%	57%	52%	55%	

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

126610

POSITIVE LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

DATE: _____ PAGE 1 OF 2

761 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

AIRBILL NO: _____

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: PLS Project Name/No. 2405225 P.O. NO. 20572

OBSERV. TEMP: 4°C
CORREC. TEMP: _____
THERMO ID: _____

ADDRESS:

ANALYSES REQUESTED:

PROJECT MANAGER: LUPE TANAKA PHONE NO: 213-745-5312 FAX NO:

PRESERVATIVE:

SAMPLER NAME: (Printed) (Signature)

REMARKS:

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	EPA 8151A Herbicides	SAMPLE CONDITION/ CONTAINER /COMMENTS:
1	240531-9	5/28/24	10:00	CB-10-15-1		X			N	1	G	X	4oz jar
2	-10	"	10:25	SB-13-1		"			"	"	"	"	"
3	-11	"	10:25	SB-14-1		"			"	"	"	"	"
4	-12	"	11:20	CB-1-3-1		"			"	"	"	"	"
5	-13	"	11:35	SB-11-1		"			"	"	"	"	"
6	-14	"	11:45	SB-12-1		"			"	"	"	"	"
7	-15	"	12:45	CB-4-6-1		"			"	"	"	"	"
8	-16	"	13:10	SB-8-1		"			"	"	"	"	"
9	-17	"	13:30	SB-7-1		"			"	"	"	"	"
10	-18	✓	14:25	CB-7-9-1		✓			✓	✓	✓	✓	✓

Relinquished By: (Signature and Printed Name) [signature] Date: Time:

Received By: (Signature and Printed Name) [signature] 5/31/24 0930

Relinquished By: (Signature and Printed Name) Date: Time:

Received By: (Signature and Printed Name) Date: Time:

Relinquished By: (Signature and Printed Name) Date: Time:

Received By: (Signature and Printed Name) Date: Time:

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:

1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days

By _____ Date _____

PRESERVATIVE: 1-HNO3, 2-H2SO4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH4 Buffer, 7-Other

LAB COPY

126611

POSITIVE LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

DATE: _____ PAGE 2 OF 2

781 East Washington Blvd, Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

AIRBILL NO: _____

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: PCS Project Name/No. 2405225 P.O. NO. 20472

ADDRESS:

PROJECT MANAGER: LUPE TANAKA PHONE NO: 213.745 5312 FAX NO:

SAMPLER NAME: (Printed) (Signature)

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

OBSERV. TEMP: _____
CORREC. TEMP: _____
THERMO ID: _____

ANALYSES REQUESTED:

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	EPH 5191A Hydrocarbons	PRESERVATIVE:	REMARKS: SAMPLE CONDITION/ CONTAINER /COMMENTS:
1	240531-19	5/28/24	13:20	CB-16-20-1		X			N	1	G	X		4oz jar
2	-20		11:40	SB-1-1										
3	-21		11:20	SB-5-1										
4	-22		11:30	SB-2-1										
5	-23		11:05	SB-6-1										
6	-24		10:45	SB-10-1										
7	-25	↓	10:55	SB-9-1		↓			↓	↓	↓	↓		↓
8														
9														
10														

Relinquished By: (Signature and Printed Name) [illegible] [illegible]
Received By: (Signature and Printed Name) [illegible] Date: 5/31/24 Time: 0920

Relinquished By: (Signature and Printed Name)
Received By: (Signature and Printed Name) Date: Time:

Relinquished By: (Signature and Printed Name)
Received By: (Signature and Printed Name) Date: Time:

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days
By _____ Date _____

PRESERVATIVE: 1-HNO_3, 2-H_2SO_4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH_4 Buffer, 7-Other

LAB COPY

APPENDIX D

WASTE MANIFEST

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
7 1			A07	A5-6660	6 of 11

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	
PDC SOCAL LLC 2442 DUPONT DRIVE IRVINE, CA 92612	949-474-7690	
	Person to Contact:	
	FAX#:	Customer Account Number

Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Generation Site (Transport from): *(name & address)*	Site Phone #:	
NEWPORT BEACH GOLF COURSE 3100 IRVINE AVENUE NEWPORT BEACH, CA 92660	Person to Contact:	
	FAX#:	

Designated Facility (Transport to): *(name & address)*	Facility Phone #:	
SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	(800) 662-8001	
	Person to Contact: JOE PROVANSAL	
	FAX#: (760) 246-8004	

Transporter Name and Mailing Address:	Transporter's Phone #:	
BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 1 of 55 BESI: 388174	949-460-8200	CAR000183913
	Person to Contact: LARRY MOOTHART	1629169
	FAX#: 949-460-8210	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	1 DM	Soil	38820	38000	620
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					-31

List any exception to items listed above: Scale Ticket # 1622414

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐	Signature and date:	Month	Day	Year
Larry Moothart of BESI on behalf of generator		7	26	24

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Lance Garcia		7	26	24

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
Joe Provansal / Barry Meek / Bill Bishop	8-7-24

Please print or type.

3100IRVI/3622938

TRANSPORTER COPY

APPENDIX E

BORING LOGS

Project: 72 NBI
Project Location: 3100 Irvine Ave.
Project Number: 72NBI

Log of Boring SB-19
Sheet 1 of 3

Date(s) Drilled: 5/28/24	Logged By: K. Gundel	Checked By: A. Johnson	
Drilling Method: Geoprobe direct push	Drill Bit Size/Type: 2.25" drill rods	Total Depth of Borehole: 75'	
Drill Rig Type: Geoprobe 7822DT	Drilling Contractor: Core Probe	Surface Elevation: --	
Groundwater Level (feet bgs): First / Completion / Development	Sampling Method: PFAS Sampling	Top of Casing Elevation: --	
Diameter of Hole (inches): 2.25"	Diameter of Well (inches): --	Type of Well Casing: --	Screen Perforation: --
Type of Sand Pack: --	Type and Depth of Seal(s)		
Comments			

Depth, feet	Sample Type	Sample Number	Graphic Log	MATERIAL DESCRIPTION (Unified Soils Classification System ASTM D2488)	% Fines	% Fine Sand	% Medium Sand	% Coarse Sand	% Gravel	Plasticity	Dry Strength	Toughness	Headspace PID, ppm	Drilling Progress, 24-hour clock	REMARKS
0		SB-19-1											0.0	0847	Background PID: ___ ppm
		SB-19-3		[illegible]									0.1		Hand Auger to 3ft
				Silty sand (SM); dark brown; black organic streaks up to 1cm long.	20	40	30	10		M	M	M	0.3	0855	
5													0.6	0905	
				poorly graded sand w/ silt & gravel (SP-SM); orange-brown; gravel rounded & up to 10mm	10	20	35	20	15	L	L	L			
10													1.1	0910	
15				Clayey sand (SC); grey; orange sand lens;	30	55	15			M	M	M	1.6	0915	
				Silty sand (SM); grey	40	60				M	M	M			
20				← increase in medium sand	35	55	10						3.2		
25				Silt w/ sand (ML); light grey;	85	15			M	H	M				
													2.4	0919	
30															

ORION USCS NON-EXP FIELD NO BLOWS; SAMPLOG.GPJ - 8/1/16

ORION ENVIRONMENTAL INC.

Project: 72NB1
Project Location: 3100 Irvine Ave.
Project Number: 72NB1

Log of Boring SB-19
Sheet 2 of 3

Depth, feet	SAMPLES Type	SAMPLES Number	Graphic Log	MATERIAL DESCRIPTION (Unified Soils Classification System ASTM D2488)	% Fines	% Fine Sand	% Medium Sand	% Coarse Sand	% Gravel	Plasticity	Dry Strength	Toughness	Headspace PID, ppm	Drilling Progress, 24-hour clock	REMARKS
30				Clay w/ sand (CH); dark grey;	90	10				M	M	M	3.5		Background PID: 0.0 ppm
35				Silt w/ sand (ML); dark grey	25	60	15			M	M	M			
40				← trace gravel up to 0.5mm					T				3.7	1000	
45				Poorly graded sand w/ silt (SP-SM); light grey	15	70	15			L	L	L	5.6	1020	
50													4.0	1042	
55				← increase in coarse grain	15	60	15	10		L	L	L	4.2	1054	
60													5.1	1115	
65													1.8	1130	
70													1.6	1309	
														1337	
														1358	

ORION USCS NON-EXP FIELD NO BLOWS SAMPLOG.GPJ - 8/1/16

ORION ENVIRONMENTAL INC.

Project: 72NB1
Project Location: 3100 Irvine Ave, Newport Beach, CA
Project Number: 72NB1

Log of Boring SB-19

Sheet 3 of 3

Depth, feet	SAMPLES Type	SAMPLES Number	Graphic Log	MATERIAL DESCRIPTION (Unified Soils Classification System ASTM D2488)	% Fines	% Fine Sand	% Medium Sand	% Coarse Sand	% Gravel	Plasticity	Dry Strength	Toughness	Headspace PID, ppm	Drilling Progress, 24-hour clock	REMARKS
70				Poorly graded Sand w/ Silt (SP-SM) light gray; moist	15	60	15	10		L	L	L	1-2	1-2	Background PID: 0.0 ppm
75				TD=75'											
80															
85															
90															
95															
100															
105															
110															

ORION USCS NON-EXP FIELD NO BLOWS; SAMPLOG.GPJ; 8/1/16

ORION ENVIRONMENTAL INC.